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October 13, 2021

Mr. Richard Krumholz
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Re: **Phase I Environmental Site Assessment Report**
Commercial Property
5505 Grape Road
Mishawaka, St. Joseph County, Indiana 46544
SES Project No.: 2021-939

Dear Mr. Krumholz:

At your request, SES Environmental (SES) completed a Phase I Environmental Site Assessment (ESA) of the above referenced site property in general accordance with the United States EPA Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and guidelines established by the ASTM Standard Practice E 1527-13.

The results of this assessment indicate no *recognized environmental conditions* (RECs) are associated with the subject site. Please refer to the Executive Summary and report text for a complete listing of the Phase I ESA findings and corresponding opinions.

We appreciate the opportunity to assist you with this project. If you should have any questions or concerns regarding this report, or if we can be of any further service to you in the future, please do not hesitate to call us at (260) 497-7645.

Respectfully Submitted,
SES Environmental

A handwritten signature in cursive script that reads "Mary Place".

Mary Place
Senior Project Manager

Enclosure





PHASE I ENVIRONMENTAL SITE ASSESSMENT

Commercial Property
5505 Grape Road
Mishawaka, St. Joseph County, Indiana 46544
SES Project No.: 2021-939

October 13, 2021

Prepared for:

Delight TB Indiana 1 LLC
TB Grape Road LLC
P.O. Box 780761
Wichita, Kansas 67278
Attn: Mr. Richard Krumholz

TB Grape Road LLC
P.O. Box 780761
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Phase I Environmental Site Assessment

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1.0 EXECUTIVE SUMMARY

SES Environmental (SES) conducted a Phase I Environmental Site Assessment (ESA) of the commercial property located at 5505 Grape Road in Mishawaka, St. Joseph County, Indiana (herein after referred to as the “site”). The assessment was performed for **TB Grape Road LLC** and **Delight TB Indiana 1 LLC** to assess the site and surrounding properties for *recognized environmental conditions* or indications of potential environmental risk and liability in order to satisfy the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability.

In summary, this assessment included the following elements:

- A visual inspection of the site and limited observations of surrounding properties,
- Review of a previous environmental report,
- A review of historic land use,
- A review of regulatory listings, and
- Interviews with persons potentially knowledgeable concerning site conditions.

1.1 Visual Inspection Summary

The site is located along the west side of North Grape Road, approximately 300 feet north of West Douglas Road, and approximately 3 miles northwest of the City of Mishawaka central business district. The site is part of a larger parcel of land that includes parking areas and a commercial building to the west. Parking lots associated with commercial properties adjoin the site to the north, west, and south and are associated with a shopping center located beyond Grape Road to the east. Interstate 80 is located approximately ¼ mile north of the site.

At the time of site inspection on October 5, 2021, the site was vacant.

The site property is rectangularly shaped and consists of approximately 0.89 acre of land. Access to the site is from a drive that extends west from North Grape Road, which extends along the east site boundary. Asphalt-paved parking areas and light poles comprise the property; although, grass landscaping associated with roadway right-of-way is located along the east site boundary, and a small manhole that appears to be associated with subgrade utilities is located on the northwest portion of the site. In general, the ground surface at the site is relatively level or gently sloping/hilly towards onsite catchment drains.

Surface drainage at the site flows to catchment drains located on the west and east portions of the site. Evidence of disposal or discharges of hazardous substances or petroleum products was not observed. Curbing and topography generally prevent surface water drainage from adjacent properties from flowing onto the site.

Distressed vegetation, pits, ponds, wastewater treatment lagoons, PCB-containing equipment, ASTs, USTs, landfills, fill material, significant staining, air or wastewater emissions, septic systems, drums, containers, water wells, or oil or gas wells were not observed.



1.2 Historical Summary

Historical review indicates the site consisted of agricultural land from at least 1952 until developed as a parking lot sometime between 1980 and 1986.

A Phase I ESA conducted for the site, the west adjacent properties, and a property farther north of the site in 2017 revealed no RECs.

1.3 Regulatory Review Summary

A review of Federal, State, and local regulatory databases and published reports was conducted in accordance with the ASTM E1527-13 standard for Phase I environmental site assessments.

The site is not included on reviewed record sources and databases.

The review revealed 26 regulatory database listings for properties within the ASTM specified search distances from the site; however; based on 1) the distance of the listed facilities from the site; 2) listed facilities located cross to downgradient from the site; 3) no violations reported, and/or 4) Closed statuses, none of these listings represent a *recognized environmental condition* for the site.

1.4 Interview Summary

Mr. Mitch Goltz with GW Properties/GW Mishawaka II LLC, the site owner, was interviewed on October 4, 2021. Mr. Goltz indicated GW Properties has owned the site since 2017. He stated the site has always consisted of vacant land and a parking lot, with no improvements.

Mr. Goltz stated he knew of no USTs, ASTs, releases of petroleum products or chemicals, water wells, septic systems, mold, asbestos, or wetlands associated with the site. He stated a previous Phase I ESA conducted for the site and a property to the north in 2017 revealed no RECs.

Mr. Goltz stated the City of Mishawaka provides water, electric, and sanitary sewer services, and NIPSCO provides natural gas service to the site.

1.5 Opinions and Conclusions

The following data gaps were identified during this Phase I ESA:

- A review of land title records for environmental liens and activity or use limitations was not conducted during this assessment pursuant to ASTM Standard Practice E1527-13. Given the history of the site, this data gap is not considered significant.
- Site history was not traced back to 1940 pursuant to ASTM Standard Practice E1527-13. An aerial photograph from 1952, the earliest obtainable historical record, shows the site as agricultural land. This data gap is not considered significant.

SES identified the following Non-ASTM Scope Issue associated with the site during the completion of this Phase I ESA:



- Radon testing was not conducted as a part of this assessment; however, according to the EPA Map of Radon Zones in Indiana, the site is located in Zone 1, which is an area with a predicted indoor screening level of greater than 4 pCi/L (highest potential).

SES identified no potential *vapor encroachment conditions* associated with the site; however, one potential VEC was identified in association with an offsite property. This potential VEC does not likely exist for the site.

SES did not identify any *historical recognized environmental conditions* (HRECs) associated with the site during the completion of this Phase I ESA.

SES did not identify any *controlled recognized environmental conditions* (CRECs) associated with the site during the completion of this Phase I ESA.

SES identified no *recognized environmental conditions* (RECs) associated with the site during the completion of this Phase I ESA.

Based on the findings during the completion of this Phase I ESA, no additional environmental site investigation is warranted at this time.

It is this firm's professional opinion that all appropriate inquiry has been made into the previous ownership and uses of the site consistent with good commercial and customary practice in an effort to identify potential environmental liabilities. This summary does not contain all the information found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.



2.0 INTRODUCTION

SES Environmental (SES) conducted a Phase I Environmental Site Assessment (ESA) of the commercial property located at 5505 Grape Road in Mishawaka, St. Joseph County, Indiana (herein after referred to as the “site”). This report details the Phase I ESA methods and findings.

2.1 Purpose

The purpose of this assessment is to identify, to the extent feasible, *recognized environmental conditions* (RECs), *historical recognized environmental conditions* (HRECs), *controlled recognized environmental conditions* (CRECs), *vapor encroachment conditions* (VECs), *de minimis* conditions, environmental liens, and activity/use limitations in connection with the site. These terms are defined in Appendix G.

By definition, the terms *recognized environmental condition*, *controlled recognized environmental condition*, and *historical recognized environmental condition* are not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Scope of the Assessment

This Phase I ESA was completed in general accordance with USEPA Standards and Practices for All Appropriate Inquiry (AAI) and ASTM Standard Practice E1527-13, which define good commercial and customary practice. Completion of this Phase I ESA under these standards is intended to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability.

The scope of inquiry included a physical site inspection, historical data review, regulatory agency records review, and interviews with persons potentially familiar with site activities.

2.3 Significant Assumptions

Information collected for this assessment from public files, third-party providers, and through interviews is assumed to be complete and accurate. This information was not independently verified unless actual knowledge of site conditions or history indicated obvious inconsistencies or errors.

2.4 Limitations and Exceptions

Processes, procedures, and methodologies used in acquiring information and recording data for the assessment were in accordance with procedures outlined in ASTM E1527-13. The assessment was conducted following generally accepted principles and practices of other consultants conducting similar assessments at the same time and in the same geographic area. Intrusive investigation and sampling were not conducted as a part of this assessment.

The assessment resulted in no significant exceptions, deviations, or deletions from the ASTM E1527-13 Standard. Researched and reviewed information was limited to documentation that was reasonably ascertainable and/or practically available from local, State, and Federal government records. Additional



limitations are presented in Section 13.0 of this report.

2.5 User Reliance

This Phase I ESA is confidential and prepared for the sole benefit and exclusive use of **TB Grape Road LLC** and **Delight TB Indiana 1 LLC** to fulfill all appropriate inquiry standards with regard to the presence of *recognized environmental conditions* at the site. The referenced entities are hereby authorized to rely on the report contents, subject to any stipulated limitations in the report and in the standard terms and conditions of the assessment contract. No other parties shall have reliance rights, unless provided in writing from SES.

3.0 USER PROVIDED INFORMATION

The ASTM Standard defines User as the party seeking to use Practice E 1527 to complete an environmental site assessment of the subject site. A User may include, without limitation, a potential purchaser of the site, a potential tenant of the site, an owner of the site, a lender, or a site manager. The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard E 1527-13.

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability relief and Brownfield's Revitalization Act of 2001 (if desired), the User must provide certain information (if available) included on the User Questionnaire to the Environmental Professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Mr. Josef Levatich, Director of Construction for Delight TB Indiana 1 LLC (Delight Restaurant Group LLC), the User of this report, completed a Phase I ESA User Questionnaire. A copy of the questionnaire is presented in Appendix E. Provided information is summarized in the following sections.

3.1 Title Information

A review of title records was not conducted as part of the assessment; however, review of St. Joseph County Assessor Office records indicates the site is currently owned by GW Mishawaka II LLC.

3.2 Environmental Liens or Activity and Use Limitations

Recorded land title records were not reviewed during this assessment, and, therefore, it is unknown whether environmental liens and activity and use limitations (AULs) are associated with the site.

The site address of 5505 Grape Road is not listed on 1) the *Indiana Department of Environmental Management Institutional Controls Registry Remediation Sites Report*, revised October 6, 2021 or 2) on the *Indiana Department of Environmental Management Remediation Institutional Controls Sites and Environment Remediation Voluntary Remediation Program* database (Appendix H).

Mr. Levatich stated he was unaware of any environmental liens, engineering controls, land use restrictions, or institutional controls recorded against the site under federal, tribal, state, or local law.



3.3 Specialized Knowledge of the User

Mr. Levatich stated he has no specialized knowledge regarding the site.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Levatich stated he was not aware of 1) any spills or releases of hazardous substances or petroleum products that have occurred at the site and 2) any previous environmental cleanups conducted at the site. He stated he had no information regarding the historical usage of the site property.

3.5 Valuation Reduction for Environmental Issues

Mr. Levatich did not report knowledge of a reduction in the value of the site in comparison with fair market value due to contamination known or believed to be present at the site.

3.6 Reason for Performing Phase I ESA

This Phase I ESA was conducted to satisfy environmental due diligence requirements.

3.7 Other Provided Information

The previous environmental report was provided by GW Mishawaka II LLC for review and is summarized below (Appendix E).

Phase I Environmental Site Assessment, EPI, February 24, 2017

The report was prepared for the larger parcel that includes the subject site, as identified as 5505 Grape Road, and a parcel of land to the north, identified as 5603 Grape Road. The following section provides a summary of site inspection findings and conclusions:

- At the time of inspection, the subject site consisted of a parking lot. No evidence of manufacturing activities, USTs, ASTs, sumps, ponds, pits, lagoons, staining, water wells, septic systems, or other potential environmental concerns was observed.
- Historical review indicated the subject site consisted of agricultural land from at least 1952 until developed as a parking lot in the 1980s.
- Adjacent property conditions consisted of parking areas to the west and north, North Grape Road and parking lots to the east, and a restaurant to the south.
- Regulatory review indicated no listings were associated with the site or immediately adjacent properties.

No RECs were identified in the report.

GW Mishawaka II LLC also provided a copy of a *GW Grape Road Minor Subdivision* dated April 21, 2021 for review (Appendix E). The document indicates the site is identified as Lot 5, which contains 0.89 acre of land depicted as a parking lot.

No other information was provided for review.



4.0 SITE DESCRIPTION

4.1 Site Location and Legal Description

The site is located at 5505 North Grape Road in Mishawaka, St. Joseph County, Indiana. Geographically, the site is located at approximately 41.7104390° north latitude and 86.1890810° west longitude. An abbreviated legal description of the larger parcel of land that includes the site as obtained from the St. Joseph County Assessor Office is as follows:

2.81 AC TRACT 8..’ E&W 151’ N & S BEG 315’ N OF SE CORNER SW SEC 28-38-3E

The elevation of this site is approximately 752 feet above mean sea level as shown on the South Bend East, Indiana USGS 7.5-Minute Quadrangle Map. A Topographic Map and Site Area Map are presented as Figures 1 and 2, respectively, in Appendix A.

4.2 Site and Vicinity General Characteristics

The site is located along the west side of North Grape Road, approximately 300 feet north of West Douglas Road, and approximately 3 miles northwest of the City of Mishawaka central business district. The site is part of a larger parcel of land that includes parking areas and a commercial building to the west. According to the City of Mishawaka Zoning Map (Appendix H), the site is currently zoned “C-7,” “Auto-Oriented and Restaurant Commercial.” Parking lots associated with commercial properties adjoin the site to the north, west, and south and are associated with a shopping center located beyond Grape Road to the east. Interstate 80 is located approximately ¼ mile north of the site.

4.3 Current Use of the Property

At the time of site inspection on October 5, 2021, the site was vacant.

4.4 Current Uses of Adjoining Properties

Properties immediately adjacent to the site are described below. Details and orientations of these properties are depicted on the Site Area Map presented in Appendix A.

- Adjacent Properties - North: A commercial parking lot is located immediately north of the site. This property is located topographically upgradient from the site. *Recognized environmental conditions* or potential concerns were not observed on this property.
- Adjacent Properties - East: North Grape Road is located along the east site boundary, with commercial parking lots associated with Wilshire Shopping Center beyond. Occupants of the shipping center include Firehouse Subs, Home Goods, Fresh Thyme, DSW, Ulta, Burlington, JoAnn Fabrics, and Hobby Lobby. These properties are located topographically upgradient from the site. *Recognized environmental conditions* or potential concerns were not observed on these properties.
- Adjacent Property - South: A commercial parking lot and Steak ‘N Shake restaurant are located immediately south of the site. These properties are located topographically downgradient from the site. *Recognized environmental conditions* or potential concerns were not observed on these properties.



- Adjacent Properties - West: A commercial parking lot is located immediately west of the site, with Strikes and Spares Entertainment Center, a vacant commercial building, and ABC Warehouse beyond. These properties are located topographically downgradient of the site. *Recognized environmental conditions or potential concerns were not observed on these properties.*

4.5 Physical Setting

4.5.1 Surface-Water Characteristics

Surface drainage at the site flows to catchment drains located on the west and east portions of the site. Curbing and topography generally prevent surface water drainage from adjacent properties from flowing onto the site.

Review of a FEMA Flood Insurance Rate Map (FIRM) indicates the site is located in “an area of minimal flood hazard” (Zone X). A copy of the FIRM is presented in Appendix H.

Surface water on the site or in its immediate vicinity is not a source of local drinking water. The site will receive water from the City of Mishawaka.

4.5.2 Published Soil and Geologic Characteristics

The United States Department of Agriculture, Natural Resource Conservation Service, Custom Soil Report for St. Joseph County, Indiana, Version 24, June 11, 2020 shows the specific soil type identified on the site consist of Urban land-Tyner complex, 0 to 1 percent slopes. Please refer to the Custom Soil Report in Appendix H for additional information.

The upper soil stratigraphy in the site area has derived from Wisconsinan-age glacial activity, and generally consists of glacial meltwater outwash deposits. Unconsolidated materials are approximately 200 feet thick in the site. These materials consist of primarily of sand and gravel.

According to the Bedrock Geologic Map of Indiana, bedrock beneath the site is Ellsworth Shale of Devonian and Mississippian age. Ellsworth shale consists of green shale, with some black shale in the lower part. The depth to bedrock near the site is estimated to be approximately 200 feet.

Review of four water well logs (Appendix H) for well located within a ½-mile radius of the site indicates soil in the site area generally consist of alternating layers of sand, clay, silt, and gravel from the near surface to a depth of 100 feet below ground surface (bgs).

4.5.3 Groundwater Characteristics

The site is located in an area identified as the St. Joseph River Basin. The St. Joseph River Basin is an area of complex and variable glacial deposits. Unconsolidated sand and gravel sequences, which form the major aquifers in the basin, were deposited by as many as three glacial ice sheets. The major types of unconsolidated aquifers are surficial sands and gravels and buried sands and gravels. Other unconsolidated aquifers are discontinuous lenses of sand and gravel across the central and southern parts of the basin. Buried pre-glacial bedrock valleys filled with sand and gravel also make up small but significant aquifers along the Indiana-Michigan State Line. Bedrock aquifers are present in the St. Joseph River Basin but do not constitute a major source of groundwater in the basin.



Groundwater in the site area is obtained primarily from surficial sand and gravel aquifers and discontinuous sand and gravel aquifers. The surficial sand and gravel aquifers in the basin consist mostly of outwash, outwash-fan deposits, isolated hills and ridges of ice-contact stratified drift, and Holocene alluvium. Thicknesses of these deposits range from a few feet up to 160 feet. Precipitation is the principal source of recharge to these aquifers. Yields from wells completed in the surficial sand and gravel aquifers range from 25 to 2,000 gallons per minute. Discontinuous sand and gravel aquifers are variable in size but are typically thin and used locally for domestic and agricultural wells. Individual zones can be as much as 60 feet thick, however. Yields from wells in these aquifers range from 20 to 600 gallons per minute.

The topographic surface of the site area slopes to the south and west. Area topography can indicate the shallow groundwater gradient, although variations in subsurface structural and geological conditions and other factors can affect groundwater conditions. In cases where contamination is suspected, the groundwater gradient should be analyzed using actual subsurface data to accurately evaluate groundwater conditions.

Review of four water well logs (Appendix H) for well located within a ½-mile radius of the site indicates the static groundwater level in the site area is approximately 20 to 28 feet bgs in sand.

5.0 HISTORICAL REVIEW

5.1 Aerial Photographs

Aerial photographs from the years 1952 through 2014 were obtained from EDR. Copies of the aerial photographs are presented in Appendix C. The photographs are described in the following table.

Photograph Year	Site Observations	Adjacent Property Usage
1952	The site is shown as agricultural land.	North Grape Road is shown along the east site boundary, with agricultural land beyond. A residence is shown adjacent north of the site. Agricultural land and a residence are shown south of the site. Agricultural land is shown adjoining the site to the west.
1960	The site is relatively unchanged since 1952.	Adjacent property usage is relatively unchanged since 1952.
1967	The site is relatively unchanged since 1960.	Adjacent property usage is relatively unchanged since 1960.
1973	The site is relatively unchanged since 1967.	Adjacent property usage is relatively unchanged since 1967.
1977	The site is relatively unchanged since 1973.	Adjacent property usage is relatively unchanged since 1973.
1980	The site is shown as disturbed land.	Adjacent property usage is relatively unchanged since 1977; however, disturbed land is shown adjacent north and west of the site.
1986	The site is shown as a parking lot.	Adjacent property usage is relatively unchanged since 1980; however, parking lots are shown adjacent north and west of the site.



Photograph Year	Site Observations	Adjacent Property Usage
1992	The site is relatively unchanged since 1986.	Adjacent property usage is relatively unchanged since 1986; however, commercial development is visible beyond North Grape Road.
1998	The site is relatively unchanged since 1992.	Adjacent property usage is relatively unchanged since 1992; however, the existing commercial building is shown adjacent south of the site.
2000	The site is relatively unchanged since 1998.	Adjacent property usage is relatively unchanged since 1998.
2007	The site is relatively unchanged since 2000.	Adjacent property usage is relatively unchanged since 2000.
2010	The site is relatively unchanged since 2007.	Adjacent property usage is relatively unchanged since 2007.
2014	The site is relatively unchanged since 2010.	Adjacent property usage is relatively unchanged since 2010.

5.2 Fire Insurance Maps

Sanborn Fire Insurance Maps were requested from EDR for the subject site and adjoining properties; however, EDR indicated the site was not included on available fire insurance maps. A copy of the EDR Certified Sanborn® Map Report indicating the site is an “Unmapped Property” is presented in Appendix C.

5.3 City Directories

Historical city directories from 1998 and 1999 were reviewed at the Allen County Public Library in Fort Wayne, Indiana. The site was not included on reviewed directories (Appendix C); however, adjacent properties consisted of retailers and restaurants.

Historical city directories were reviewed at approximate 5-year intervals (when available) for the period between 1969 and 2013 by EDR. Directories prior to 1969 and after 2013 were not available for review. The site address of 5505 North Grape Road, which also includes the west adjacent property, was listed in reviewed directories from 1992 through 2014 as follows:

- New York Carpet World (1992-1999) and
- Bargain Books (2003-2013).

Listed occupants of adjacent and nearby properties consisted of private residences, banks, restaurants, retailers, and automobile dealerships. A summary of the information obtained from the directories reviewed is presented in Appendix C.

5.4 Agency Contacts

5.4.1 Assessing Department

Information obtained from the St. Joseph County Assessor’s Office indicates the site is part of a larger parcel of land containing 2.81 acres and identified as Parcel Number 71-04-28-376-004.000-005. The site is currently owned by GW Mishawaka II LLC, which acquired site ownership on June 15, 2017.



A copy of the property record card is provided in Appendix H.

5.4.2 Building, Planning, and/or Zoning Departments

The St. Joseph County Building Department was contacted for information pertaining to initial building construction, additions, or renovations; the installation or removal of underground storage tanks (USTs) or other subgrade structures; and historical occupancy. A representative stated no building permits or plans are available for the site address.

Review of the EDR Lightbox website indicates several permits (Appendix C) have been issued to the site address of 5505 North Grape Road; however, these permits are associated with the commercial building associated with the larger parcel of land that includes the site.

According to the City of Mishawaka Zoning Map (Appendix H), the site is currently zoned “C-7,” “Auto-Oriented and Restaurant Commercial.”

5.4.3 Fire Department

The City of Mishawaka Fire Department was contacted to determine if there are any records concerning storage tanks, hazardous materials, or other environmental issues associated with the site. A representative with the Fire Department stated no records of storage tanks or hazardous material incidents were found for the site.

5.4.4 Health Department

The St. Joseph County Health Department – Environmental Health Division was contacted for information pertaining to USTs, ASTs, water wells, septic systems, spills of petroleum products or chemicals, or other environmental issues or complaints associated with the site and adjacent properties. A response was not received by the date of the report.

5.4.5 Oil and Gas Wells

Review of an oil and gas well map obtained from the Indiana Department of Natural Resources Oil and Gas Well Records WebApp (Appendix H) indicated no oil or gas wells were identified on the site or on adjacent properties.

5.5 Summary of Historical Review

Historical review indicates the site consisted of agricultural land from at least 1952 until developed as a parking lot sometime between 1980 and 1986.

A Phase I ESA conducted for the site, the west adjacent properties, and a property farther north of the site in 2017 revealed no RECs.



6.0 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL, STATE, AND LOCAL

Federal, state, and local agencies have created databases and published reports of facilities known to possess or have the potential to be environmental concerns. These databases and reports were reviewed to assess whether properties within distances of the site defined in ASTM E1527-13 may present environmental concerns for the subject site. The government records search was obtained from Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. A copy of the EDR Radius Map Report is presented in Appendix D.

The site is not included on reviewed record sources and databases.

The review revealed 26 regulatory database listings for properties within the ASTM specified search distances from the site; however; based on 1) the distance of the listed facilities from the site; 2) listed facilities located cross to downgradient from the site; 3) no violations reported, and/or 4) Closed statuses, none of these listings represent a *recognized environmental condition* for the site.

The following table provides a summary of the agencies, databases, and reports consulted. Descriptions of the databases consulted and acronyms used are provided in the EDR report and in Appendix H.



Standard Environmental Record Source	Site	Properties Within ASTM Minimum Search Distances
Federal National Priorities List (NPL)	The site is not listed.	One property within 1 mile of the site is listed. This property is listed as Douglass Road Landfill located at 16845 Douglass Road, approximately 0.11 mile southwest of the site. Additional details are provided in the database report.
Federal Delisted NPL	The site is not listed.	No properties within ½ mile of the site are listed.
Federal CERCLIS List (Active)	The site is not listed.	One property within ½ mile of the site is listed. This property is listed as Douglass Road Landfill located at 16845 Douglass Road, approximately 0.11 mile southwest of the site. Additional details are provided in the database report.
Federal CERCLIS NFRAP List	The site is not listed.	No properties within ½ mile of the site are listed.
Federal RCRA Generators List	The site is not listed.	Three properties within ¼ mile of the site are listed. The nearest property is listed as Gurly Leep Buick located at 5302 North Grape Road, approximately 0.12 mile southeast of the site. Additional details are provided in the database report.
Federal RCRA non-CORRACTS TSD List	The site is not listed.	No properties within ½ mile of the site are listed.
Federal RCRA CORRACTS List	The site is not listed.	No properties within 1 mile of the site are listed.
Federal Institutional Control/ Engineering Control Registries	The site is not listed.	One property within ½ mile of the site is listed for both engineering and institutional controls. This property is listed as Douglass Road Landfill located at 16845 Douglass Road, approximately 0.11 mile southwest of the site. Additional details are provided in the database report.
Federal Emergency Response Notification System (ERNS)	The site is not listed.	N/A
Federal Tribal Lands	The site is not listed.	Federally recognized tribal lands are not listed within 1 mile of the site.
State/Tribal Hazardous Waste Inventory Site Listing	The site is not listed.	No facilities are listed within 1 mile of the site.
State/Tribal Underground Storage Tank List (UST)	The site is not listed.	Two properties within ¼ mile of the site are listed. The nearest property is listed as Gurly Leep Buick located at 5302 North Grape Road, approximately 0.12 mile southeast of the site. Additional details are provided in the database report.
State/Tribal Leaking Underground Storage Tank List (LUST)	The site is not listed.	No properties are listed within ½ mile of the site.
State/Tribal Permitted Solid Waste Facilities List (SWF)	The site is not listed.	No properties within ½ mile of the site are listed.
State/Tribal Institutional Control/ Engineering Control Registries	The site is not listed.	One property within ½ mile of the site is listed. This property is listed as Douglass Road Landfill located at 16845 Douglass Road, approximately 0.11 mile southwest of the site. Additional details are provided in the database report.
State/Tribal Voluntary Remediation Program (VRP)	The site is not listed.	No properties within ½ mile of the site are listed.
State/Tribal Brownfield Sites	The site is not listed.	One property within ½ mile of the site is listed. This property is listed as Lake Shore Estates located at 815 West Douglass, approximately 0.28 mile southwest of the site. Additional details are provided in the database report.



Additional Environmental Record Sources		
RCRA non-Generator List	The site is not listed.	Two properties within ¼ mile of the site are listed. The nearest property is listed as Sams Club 6315 located at 5652 Grape Road, approximately 0.1 mile east of the site. Additional details are provided in the database report.
SWRCY List	The site is not listed.	Two properties within ¼ mile of the site are listed. The nearest property is listed as Batteries Plus located at 525 West Douglass Road, approximately 0.1 mile southwest of the site. Additional details are provided in the database report.
Historical Auto Stations List	The site is not listed.	One property is listed within ¼ mile of the site. This property is listed as 7Eleven Inc located at 910 West Douglass Road, approximately 0.3 mile west of the site. Additional details are provided in the database report.
Drycleaners	The site is not listed.	The nearest property is listed as Ziker Cleaners located at 5209 Grape Road, approximately 0.2 mile south of the site. Additional details are provided in the database report.
Consent	The site is not listed.	One property is listed within 1 mile of the site. The nearest property is listed as Douglas Road/Uniroy located north of Douglas Road, approximately 0.1 mile west of the site. Additional details are provided in the database report.
ROD	The site is not listed.	One property is listed within 1 mile of the site. The nearest property is listed as Douglas Road/Uniroy located north of Douglas Road, approximately 0.1 mile west of the site. Additional details are provided in the database report.
IND Waste List	The site is not listed.	Two properties are listed within ¼ mile of the site. The nearest property is listed as Gurly Leep Buick located at 5302 North Grape Road, approximately 0.12 mile southeast of the site. Additional details are provided in the database report.
Manifest	The site is not listed.	Four properties within ¼ mile of the site are listed. The nearest property is listed as Sams Club 6315 located at 5652 Grape Road, approximately 0.1 mile east of the site. Additional details are provided in the database report.



6.1 Regulatory Agency File and Records Review

A review of regulatory files and/or records associated with the site and adjacent properties was conducted on the IDEM Virtual File Cabinet (VFC). No records are available for the site or immediately adjacent properties; however, review of a groundwater flow map for the property located at 16845 Douglas Road, which is located approximately 0.11 mile west of the site and listed on the AUL, NPL, and CERCLIS Lists, indicates affected areas are located over 0.2 mile from the site. The map also indicates groundwater flow direction in the site area has been documented to the southwest (Appendix H).

7.0 INTERVIEWS

This section provides a summary of interviews conducted with potentially knowledgeable persons and organizations to obtain information regarding the site and surrounding properties.

7.1 Interview with Site Owner/Occupant

Mr. Mitch Goltz with GW Properties/GW Mishawaka II LLC, the site owner, was interviewed on October 4, 2021. Mr. Goltz indicated GW Properties has owned the site since 2017. He stated the site has always consisted of vacant land and a parking lot, with no improvements.

Mr. Goltz stated he knew of no USTs, ASTs, releases of petroleum products or chemicals, water wells, septic systems, mold, asbestos, or wetlands associated with the site. He stated a previous Phase I ESA conducted for the site and a property to the north in 2017 revealed no RECs.

Mr. Goltz stated the City of Mishawaka provides water, electric, and sanitary sewer services, and NIPSCO provides natural gas service to the site.

7.2 Interviews with Others

Additional interviews with local municipal departments and other potential knowledgeable persons are discussed in Section 5.4.

8.0 SITE INSPECTION

Ms. Mary Place, Senior Project Manager with SES, conducted a site inspection on October 5, 2021 at approximately 2:00 p.m. Mr. Mitch Goltz with GW Properties/GW Mishawaka II LLC, the site owner, authorized access to the site. Ms. Place was unaccompanied during the site inspection.

8.1 Methodology and Limiting Conditions

The inspection consisted of observing the periphery of the site and then systematically traversing the interior portions to provide overlapping fields of view of the ground surface whenever possible. Adjoining properties were observed from the site, roadways, and public access areas.



8.2 General Site Setting

The site is located along the west side of North Grape Road, approximately 300 feet north of West Douglas Road, and approximately 3 miles northwest of the City of Mishawaka central business district. The site is part of a larger parcel of land that includes parking areas and a commercial building to the west. Parking lots associated with commercial properties adjoin the site to the north, west, and south and are associated with a shopping center located beyond Grape Road to the east. Interstate 80 is located approximately ¼ mile north of the site.

8.3 Site Observations

Access to the site is from a drive that extends west from North Grape Road, which extends along the east site boundary. At the time of site inspection on October 5, 2021, the site was vacant.

A Site Area Map showing details of the site is presented as Figure 2 in Appendix A. Photographs of the site and the surrounding properties are presented in Appendix B.

8.3.1 Site Exterior Observations

The site property is rectangularly shaped and consists of approximately 0.89 acre of land. Asphalt-paved parking areas and light poles comprise the property; although, grass landscaping associated with roadway right-of-way is located along the east site boundary, and a small manhole that appears to be associated with subgrade utilities is located on the northwest portion of the site. In general, the ground surface at the site is relatively level or gently sloping/hilly towards onsite catchment drains.

Surface drainage at the site flows to catchment drains located on the west and east portions of the site. Evidence of disposal or discharges of hazardous substances or petroleum products was not observed. Curbing and topography generally prevent surface water drainage from adjacent properties from flowing onto the site.

Distressed vegetation, pits, ponds, wastewater treatment lagoons, PCB-containing equipment, ASTs, USTs, landfills, fill material, significant staining, air or wastewater emissions, septic systems, drums, containers, water wells, or oil or gas wells were not observed.

8.3.2 Site Interior Observations

The site consists of vacant land only, with no building structures.

8.3.3 Storage Tanks/Containers

Evidence of underground or aboveground storage tanks containing chemicals or petroleum products was not observed during the site inspection.

Potentially hazardous substances and petroleum products were not observed at the site.

8.3.4 Potential Polychlorinated Biphenyl (PCB) Containing Materials

PCBs are chemicals formerly used in coolants and lubricating oils. The manufacture of PCBs stopped in the United States in 1977 because of evidence that PCBs accumulated in the environment and may



cause harmful health effects. PCBs are sometimes found in old electrical transformers, electrical panels, hydraulic equipment, and similar equipment.

No PCB-containing equipment was observed.

8.3.5 Hazardous Substances and Petroleum Products

No containers of hazardous substances and petroleum products were observed.

8.4 Utilities

Water, electric, and sewer services are provided to the local site area by the City of Mishawaka (Mishawaka Utilities). Natural gas service is provided to the site area by NIPSCO.

9.0 NON-ASTM SCOPE ISSUES

9.1 Asbestos Containing Building Materials

Asbestos is present in a wide variety of typical building material products. Frequently encountered types of asbestos-containing building materials (ACBMs) used in building construction include floor tile, sheet flooring, mastic, ceiling tile, spray-applied acoustical/decorative ceiling materials, plaster, wallboard and wallboard joint compound, insulations, roofing and flashing and many other materials in common use before 1978. Materials that contain over one percent asbestos fibers are considered ACBM and must be handled according to OSHA and USEPA regulations if disturbed.

The site consists of vacant land only, with no building structures that could contain suspect ACBMs.

9.2 Lead-Based Paint

Lead was formerly added to paints as pigment and to speed drying, increase durability, retain appearance, and resist moisture. Because of its toxicity, paint containing more than 0.06 percent lead was banned for residential use in 1978. Lead is especially dangerous for children under the age of six. The most common exposure pathway is through ingestion of lead dust through normal hand-to-mouth contact. The U. S. Government defines “lead-based paint” as any “paint that contains lead equal to or exceeding one milligram per square centimeter or 0.5 percent by weight.

The site consists of vacant land only, with no building structures that could contain lead-based paints.

9.3 Visible Mold and Moisture Damage

Molds are fungi that can be found both indoors and outdoors. Molds grow well in warm, damp, and humid conditions, and spread and reproduce by making spores. Outdoors they can be found in shady, damp areas or places where leaves or other vegetation is decomposing. Indoors they can be found where humidity levels are high, such as basements or showers. Exposure to molds can cause symptoms such as nasal stuffiness, eye irritation, wheezing, skin irritation, or more severe reactions. To date, EPA regulations regarding acceptable concentrations and types of molds have not been established.

The site consists of vacant land only, with no building structures that could contain suspect ACBMs.



9.4 Potential Wetlands

The Clean Water Act defines wetlands as *areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.* A wetland determination is based on the presence of three indicator conditions consisting of wetland hydrology, hydric soils, and hydrophytic vegetation (all three must be present in order to determine an area is a wetland). The presence of wetlands on a property may impede or eliminate the potential for planned site development, including proposed construction or expansion.

SES did not observe any obvious wetland indicator criteria. A review of the U.S. Fish and Wildlife Service National Wetlands Inventory Map (Appendix H) does not depict wetland areas within the site boundaries. A formal delineation assessment would be necessary to establish the presence of a regulated wetland and should be considered if future site development will include filling and/or dredging activities.

9.5 Radon

Radon is an invisible, odorless gas formed during radioactive decay of uranium and thorium. Radon is a cancer-causing, radioactive gas that is found throughout the United States. It comes from the natural decay of uranium found in nearly all soils. It typically moves up through the ground and into houses through cracks and holes in the foundation. The EPA has established an action level of 4 picocuries per liter (pCi/L) for radon gas, at which level the EPA recommends taking steps to reduce the amount of radon in the structure.

Radon testing was not conducted as a part of this assessment; however, according to the EPA Map of Radon Zones in Indiana (Appendix H), the site is located in Zone 1, which is an area with a predicted indoor screening level of greater than 4 pCi/L (highest potential).

9.6 Lead in Drinking Water

No sampling and analysis of drinking water for lead was conducted as part of this assessment.

9.7 Regulatory Compliance

SES did not identify any potential non-compliance issues associated with the site during the completion of this Phase I ESA.

10.0 VAPOR ENCROACHMENT

Pursuant to ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, SES conducted a Tier 1 evaluation to assess the presence or likely presence of contaminant vapors in soil at the site that might result from contaminated soil and/or groundwater either on or near the site. SES assessed the following information:

- Existing use of the site,



- Type of structures existing at the site,
- Surrounding area,
- General physical setting including soil type, and geological, hydrological, hydrogeological, and topographical information,
- Federal, state, local, and tribal government records for the site and adjacent properties,
- Historical aerial photographs,
- Historical city directories,
- Significant natural or man-made conduits including utility corridors, sewers, storm drains, and Karst terrain,
- User-specialized knowledge, experience, and commonly known or reasonably ascertainable information related to the site and adjacent properties,
- Site inspection, and
- Interviews with the site owner and government agencies.

SES identified no potential *vapor encroachment conditions* associated with the site; however, one potential VEC was identified in association with an offsite property located at 16845 Douglas Road, approximately 0.11 mile west of the site. Available mapping indicates groundwater flow direction in the site area is to the southwest. As such, this potential VEC does not likely exist for the site.

11.0 OPINIONS, CONCLUSIONS, AND RECOMMENDATIONS

11.1 Data Gaps

A “data gap” is defined in Section 3 of ASTM E1527-13 as, “a lack of or inability to obtain information required by this practice (ASTM E1527-13) despite good faith efforts by the environmental professional to gather such information.” The following data gaps were identified during this Phase I ESA:

- A review of land title records for environmental liens and activity or use limitations was not conducted during this assessment pursuant to ASTM Standard Practice E1527-13. Given the history of the site, this data gap is not considered significant.
- Site history was not traced back to 1940 pursuant to ASTM Standard Practice E1527-13. An aerial photograph from 1952, the earliest obtainable historical record, shows the site as agricultural land. This data gap is not considered significant.

11.2 Non-ASTM Scope Issues

SES identified the following Non-ASTM Scope Issue associated with the site during the completion of this Phase I ESA:

- Radon testing was not conducted as a part of this assessment; however, according to the EPA Map of Radon Zones in Indiana, the site is located in Zone 1, which is an area with a predicted indoor screening level of greater than 4 pCi/L (highest potential).

11.3 Vapor Encroachment

SES identified no potential *vapor encroachment conditions* associated with the site; however, one potential VEC was identified in association with an offsite property. This potential VEC does not likely exist for the site.



11.4 Historical Recognized Environmental Conditions

SES did not identify any *historical recognized environmental conditions* (HRECs) associated with the site during the completion of this Phase I ESA.

11.5 Controlled Recognized Environmental Conditions

SES did not identify any *controlled recognized environmental conditions* (CRECs) associated with the site during the completion of this Phase I ESA.

11.6 Recognized Environmental Conditions

SES identified no *recognized environmental conditions* (RECs) associated with the site during the completion of this Phase I ESA.

11.7 Opinions and Conclusions

SES has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 of the commercial property located at 5505 Grape Road in Mishawaka, St. Joseph County, Indiana. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. No RECs were identified associated with the site during the completion of this Phase I ESA.

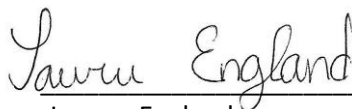
11.8 Recommendations

Based on the findings during the completion of this Phase I ESA, no additional environmental site investigation is warranted at this time.

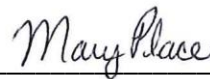
12.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

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. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

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. 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 all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Lauren England
Project Manager



Mary Place
Senior Project Manager

Qualification summaries for the above named Environmental Professionals are provided in Appendix F.



13.0 WARRANTY

SES Environmental warrants that the findings and conclusions contained herein were prepared in general accordance with the methods in ASTM Standard E 1527-13. These methods are described by the standard as representing good commercial and customary practice for conducting an Environmental Site Assessment of a parcel of property to identify recognized environmental conditions. The findings and conclusions contained herein are predicated on the limitations inherent in these methods, which are referred to in the protocol and some of which are more specifically stated below. SES Environmental is not responsible for the independent conclusions, opinions, or recommendations made by others based on the records review, site observations, field exploration, and laboratory test data presented in this report.

There is a possibility that even with proper application of the ASTM methods, conditions may exist on the property that could not be identified within the scope of the assessment or that were not reasonably identifiable from the reasonably available information. SES Environmental believes that the information obtained from the records review and interviews concerning the property are reliable. However, SES Environmental cannot, and does not, warrant or guarantee that the information provided by these sources is accurate or complete. The methods of this assessment are not intended to produce all-inclusive or comprehensive results but, rather, to provide information regarding apparent suspicions of existing and potential adverse environmental conditions related to the subject property.

It should be noted that all environmental evaluations are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. For these types of evaluations, it is often necessary to use information prepared by others. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does it warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit and is not intended to satisfy the requirements of any federal, state, or local real estate laws.

This report is intended for the sole use of **TB Grape Road LLC** and **Delight TB Indiana 1 LLC**. No other company, entity, or person shall have any rights with regard to SES Environmental's contract with the above client, including but not limited to indemnification by SES Environmental, or any rights of reliance on the findings, conclusions, opinions and recommendations of this or any subsequent reports regarding the referenced site. This report may not be used or relied upon by any other party without the written consent of SES Environmental. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations expressed herein is at the sole risk of user.

SES does not warrant the correctness, completeness, merchantability, or fitness of any information related to records review provided in this report. Such information is not the product of an independent review conducted by SES but is only publicly available environmental information maintained by federal, state, and local government agencies.

No other warranties are implied or expressed.



14.0 REFERENCES

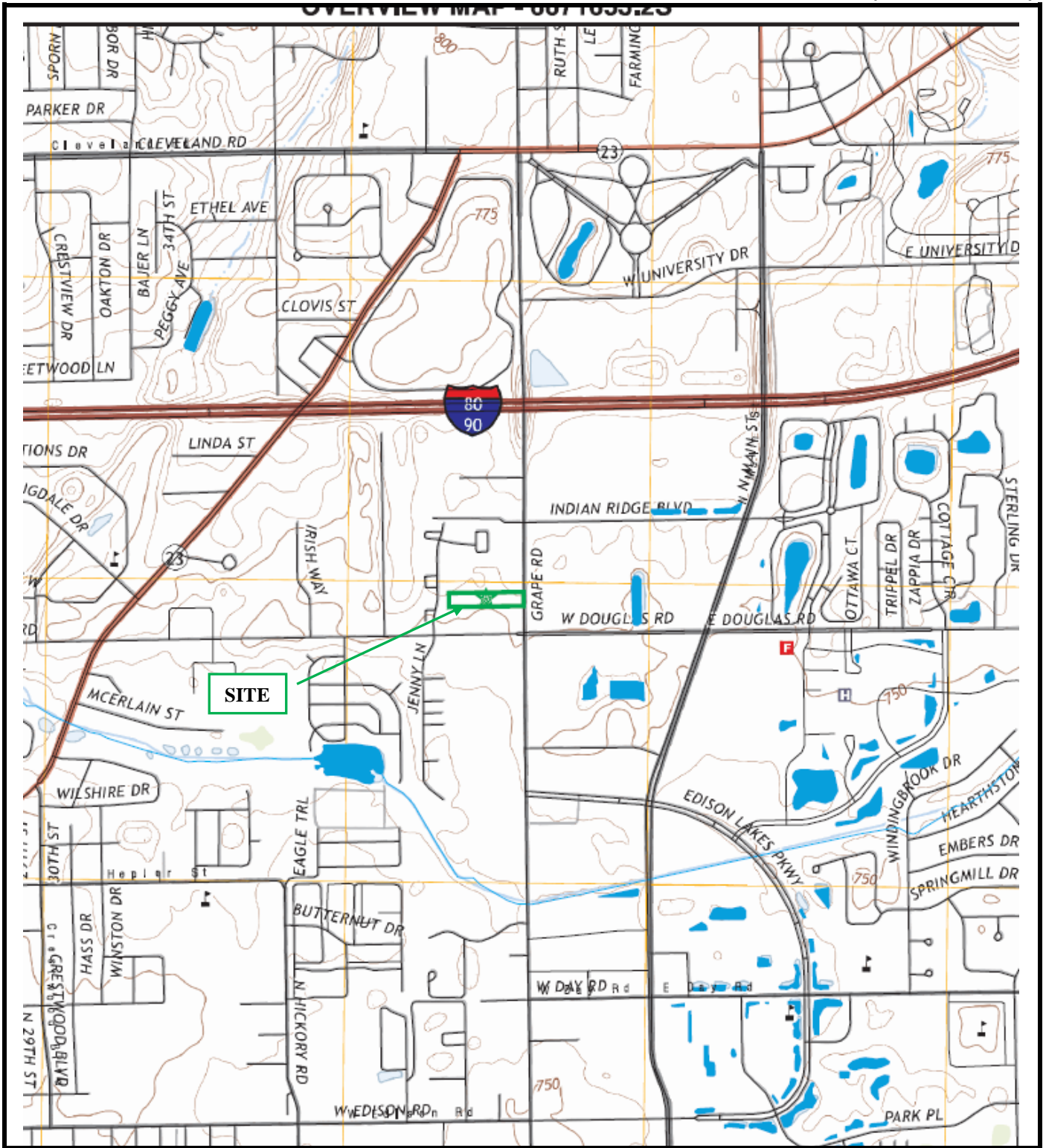
- USGS Topographic Map, 7.5-Minute Series, South Bend West, Indiana Quadrangle Map, Published 2013.
- Hydrogeologic Atlas of Aquifers in Ohio, U. S. Geological Survey, Water Resources Investigations Report 92-4142, 1994.
- Gray, Henry H., Curtis H. Ault, and Stanley J. Keller, Bedrock Geologic Map of Indiana, Published 1987
- Federal Emergency Management Agency, Flood Insurance Rate Map for St. Joseph County, Indiana.
- United States Department of Agriculture, Custom Soil Resource Report for St. Joseph County, Indiana, Version 24, June 11, 2020.
- EDR, Inc., Aerial Photographs from 1952 through 2014.
- EDR, Inc. Historical City Directories from 1969 through 2013.
- EDR, Inc. Certified Sanborn Map Report.
- St. Joseph County Assessor's Office, Property Records
- EDR Radius Map Report, September 21, 2021.
- Indiana Department of Natural Resources, Oil and Gas Well Map
- IDEM VFC Records, IC Map.
- U.S. Fish and Wildlife Service, Wetlands Map.
- U.S. EPA, Map of Radon Zones.
- Phase I ESA, 2017
- *Site Plans*, 2021.
- User Questionnaire.



APPENDIX A – TOPOGRAPHIC MAP & SITE AREA MAP



South Bend East, Indiana 7.5 Minute Quadrangle Map
(Published 2013)



SCALE 1:24000 (1"=2,000')



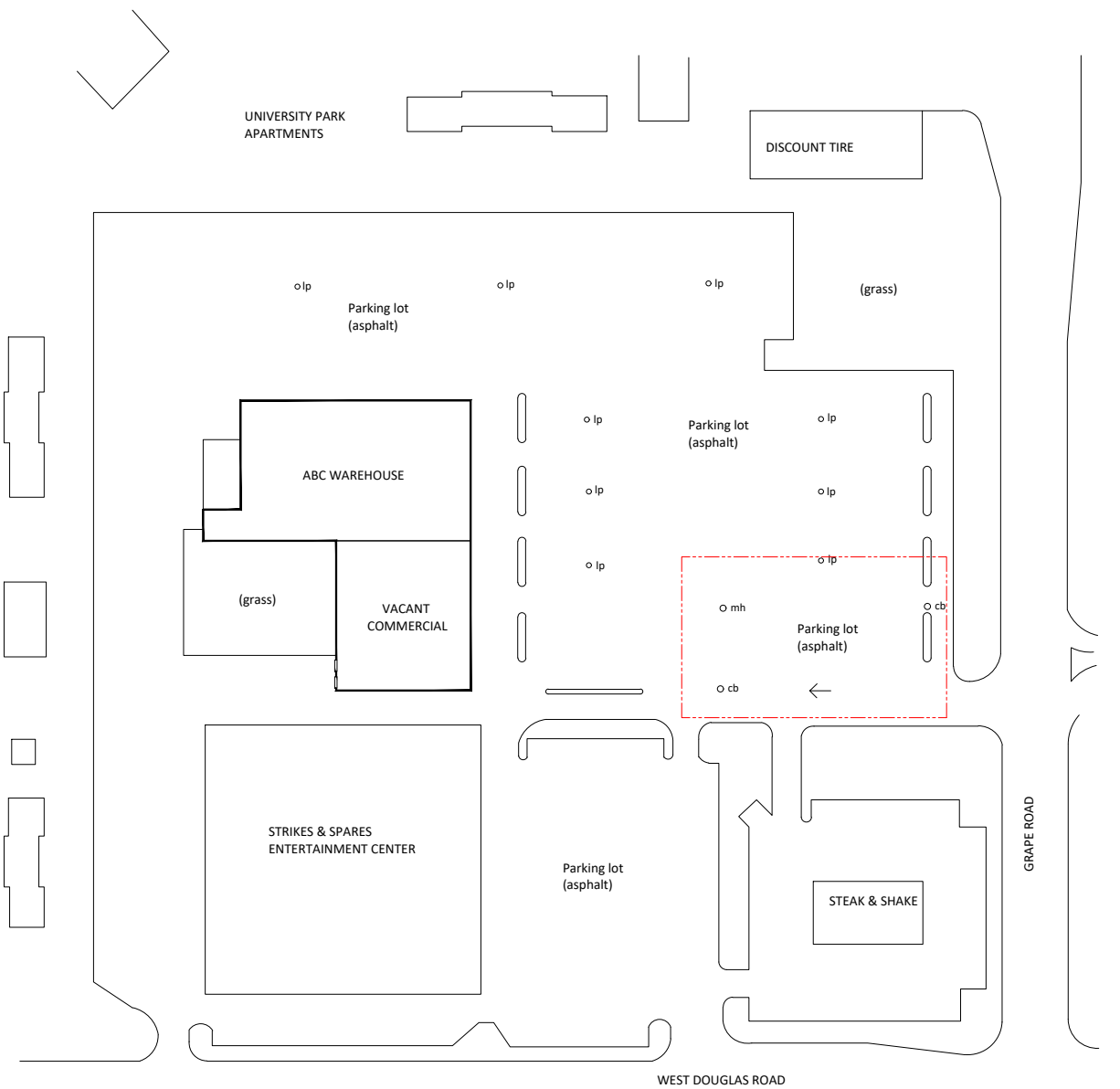
CONTOUR INTERVAL 10 FEET
Site Boundaries Shown are Approximate

Topographic Map

Commercial Property
5505 North Grape Road
Mishawaka, St. Joseph County, Indiana 46545
SES Project 2021-939

Figure 1





UNIVERSITY PARK APARTMENTS

UNIVERSITY PARK APARTMENTS

DISCOUNT TIRE

Parking lot (asphalt)

(grass)

ABC WAREHOUSE

Parking lot (asphalt)

(grass)

VACANT COMMERCIAL

Parking lot (asphalt)

WILSHIRE PLAZA SHOPPING CENTER

STRIKES & SPARES ENTERTAINMENT CENTER

Parking lot (asphalt)

STEAK & SHAKE

GRAPE ROAD

WEST DOUGLAS ROAD



TITLE SITE MAP Phase I Environmental Site Assessment
LOCATION Commercial Property 5505 North Grape Road Mishawaka, Indiana

LEGEND
--- APPROX SITE BOUNDARY
○ cb CATCH BASIN
○ mh MANHOLE
○ pp POWER POLE
○ lp LIGHT POLE
☐ PAD-MOUNT TRANSFORMER
⊕ POLE-MOUNT TRANSFORMER
☒ GENERAL REFUSE DUMPSTER

PROJECT 2021939	
SCALE 1" = 150'	DATE 9/22/21
DRAWN dn	CHECKED mp
FILE 2021939	FIGURE 2



APPENDIX B – SITE PHOTOGRAPHS





Photo 1: View of site, facing east.



Photo 2: View of west adjacent properties.



Photo 3: View of site, facing south.



Photo 4: View of typical drain.



Photo 5: View of small manhole.



Photo 6: View of south adjacent properties.



Photo 7: View of east adjacent properties.



Photo 8: View of site, facing west.



Photo 9: View of site, facing southwest.



Photo 10: View of site, facing south.



Photo 11: View of north adjacent properties.

APPENDIX C – HISTORICAL RESEARCH DOCUMENTATION





Aerial Photographs





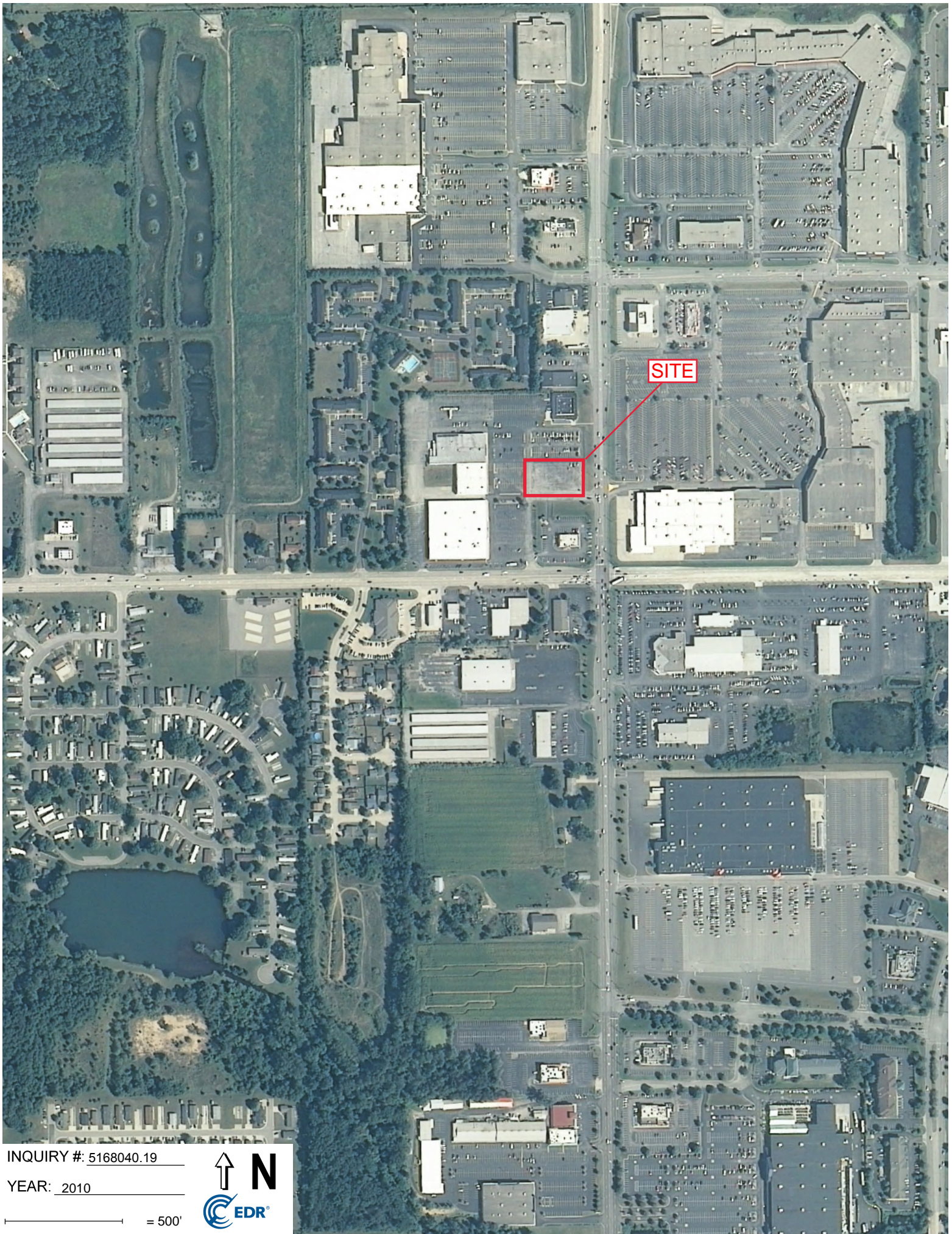
SITE

INQUIRY #: 5168040.19

YEAR: 2014

— = 500'





INQUIRY #: 5168040.19

YEAR: 2010

— = 500'





INQUIRY #: 5168040.19

YEAR: 2007

— = 500'



INQUIRY #: 5168040.19

YEAR: 2000

— = 750'



SITE

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5168040.19

YEAR: 1998

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5168040.19

YEAR: 1992



= 750'



SITE

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



SITE

INQUIRY #: 5168040.19

YEAR: 1986

— = 500'





SITE

INQUIRY #: 5168040.19

YEAR: 1980

— = 500'





SITE



INQUIRY #: 5168040.19

YEAR: 1977

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5168040.19

YEAR: 1973

— = 500'



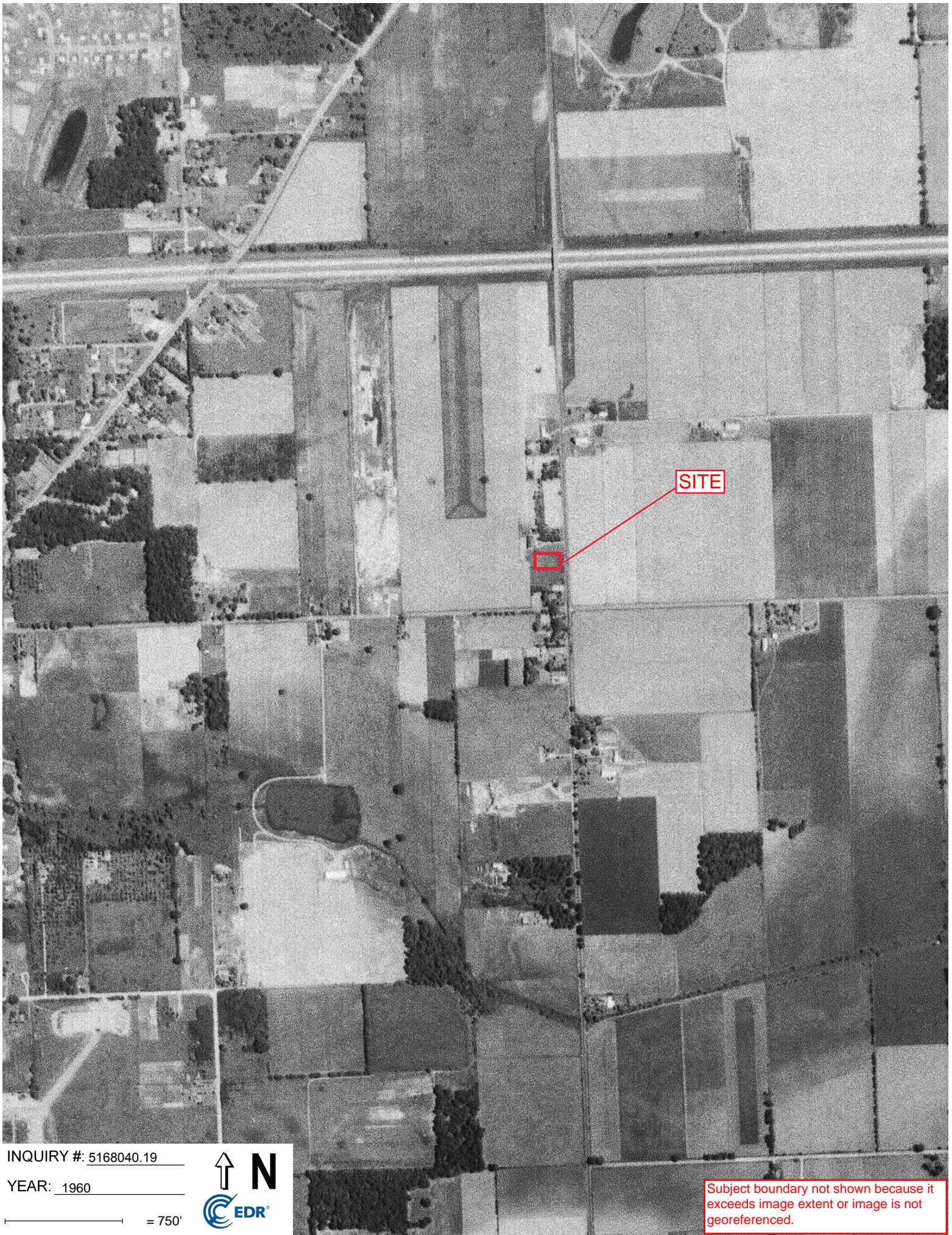


INQUIRY #: 5168040.19

YEAR: 1967

— = 500'





SITE

INQUIRY #: 5168040.19

YEAR: 1960

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5168040.19


YEAR: 1952

— = 500'



Sanborn Fire Insurance Map Report (unmapped property)





505 West Douglas Rd
Mishawaka, IN 46545
Inquiry Number: 5168040.17

January 25, 2018

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

01/25/18

Client Name:

Soil Exploration Services
3807 Transportation Drive
Fort Wayne, IN 46818
Contact: Elizabeth Wallace



5168040.17

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Soil Exploration Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 31D5-4DE8-91F4
PO # 430634
Project 2018-063

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.



Sanborn® Library search results

Certification #: 31D5-4DE8-91F4

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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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City Directories



HISTORICAL CITY DIRECTORIES
5505 Grape, Mishawaka, Elkhart County, Indiana 46545

Year	West Douglas Road	Grape Road
1999 Polk's Mishawaka, Indiana City Directory	<p>505 ALTELL radio telephon comm... Carter Tracy L [2] ▲</p> <p>525 BATTERIES PLUS auto home sppl str 271-293</p> <p>533 A ALWAYS RENT-IT eqpt rntl lsing 277-533</p> <p>U-HAUL truck rntl..... 273-082</p>	<p>5302 GURLEY LEEP BUICK auto home sppl str..... 674-6024 GURLEY-LEEP BUICK-GMC TRUCK new used car dirs 272-0990 Leep Karen E [2] ▲</p> <p>5325 C & B OPTICAL optometrists.. 277-6161 Wolf C J..... 277-6161</p> <p>5327 CUNNINGHAM OPTICAL optical gds stores..... 277-8121</p> <p>+ DOUGLAS RD INTERSECTS</p> <p>5415 Berry Gene STEAK N SHAKE eating places 273-2933</p> <p>5419 Hartley Jill E [2] SPEICE SPORTING sptg gds/bike shp 273-2180</p> <p>5500 OFFICEMAX misc rtl str..... 273-1100</p>
1998 Polk's Mishawaka, Indiana City Directory	<p>VALENTINOS PHOTOGRAPHICS photo stdios prtrt 273-4422</p> <p>215 DODGE CITY new used car dirs 271-3700</p> <p>. ZIP CODE 46545 CAR-RT C036</p> <p>505 Carter Tracy L ▲ SPRINT CELLULAR PROMOTIONS radio telephon comm 271-9819</p> <p>525 BATTERIES PLUS auto home sppl str 271-2931</p> <p>533 ARI RENTALS eqpt rntl lsing 277-5333 Burns Lawrence J U HAUL CO truck rntl..... 273-0826</p>	<p>5302 GURLEY LEEP BUICK auto home sppl str..... 674-6024 GURLEY-LEEP BUICK-GMC TRUCK new used car dirs 272-0990 Leep Michael R [2] ▲</p> <p>5325 C & B OPTICAL optmtrst..... 277-6161</p> <p>5327 CUNNINGHAM OPTICAL optical gds stores..... 277-8121 Leaverton James A [2]+ ▲ 277-6161</p> <p>5415 STEAK N SHAKE eating places 273-2933</p> <p>5419 SPEICE SPORTING sptg gds/bike shp 273-2180</p> <p>5500 COPYMAX STORE misc rtl str..... 273-1100</p>

5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545
Inquiry Number: 4843417.5
February 02, 2017

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Findings
City Directory Images

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

The EDR-City Directory Image Report

6 Armstrong Road
Suite 200
800-352-0050
www.edrinc.com

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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.

Year	Target Street	Cross Street	Source
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1977	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1972	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

5603 Grape Road
Mishawaka, IN 46545

Source

CD Image

Year

GRAPE RD

Year	CD Image	Source
2013	Pg A1	Cole Information Services
2008	Pg A2	Cole Information Services
2003	Pg A3	Cole Information Services
1999	Pg A4	Cole Information Services
1995	Pg A5	Cole Information Services
1992	Pg A6	Cole Information Services
1987	Pg A7	Polk's City Directory
1987	Pg A8	Polk's City Directory
1987	Pg A9	Polk's City Directory
1982	Pg A10	Polk's City Directory
1982	Pg A11	Polk's City Directory
1982	Pg A12	Polk's City Directory
1977	Pg A13	Polk's City Directory
1977	Pg A14	Polk's City Directory
1972	Pg A15	Polk's City Directory
1972	Pg A16	Polk's City Directory
1972	Pg A17	Polk's City Directory
1969	Pg A18	Polk's City Directory
1969	Pg A19	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

GRAPE RD 2008

5211 AMERICAN GENERAL FINANCE INC
 5213 AA MINI WAREHOUSE & STORAGE
 MINI STORAGE DEPOT
 STERLING MANAGEMENT LTD INC
 GURLEY LEEP
 5302 GURLEY LEEP AUTOMOTIVE GROUP INC
 GURLEY LEEP BUICK GMC TRUCK
 GURLEY LEEP COLLISION CENTER
 ROCK OLDSMOBILE CADILLAC INC
 TEAM IMPORTS INC
 TEAM NISSAN SUBARU SUZUKI
 5325 CHRISTOPHER J WOLF OD INC
 NORTHERN INDIANA OPTOMETRISTS
 WOLF C J OD
 C & B OPTICAL ONE
 5415 LEAVERTON JAMES A OD
 STEAK N SHAKE
 5419 ENTERTAINMENT MASTERS GROUP LLC
 STRIKES & SPARES ENTERTAINMENT CENTE
 BARGAIN BOOKS
 5505 HOB LOB LIMITED PARTNERSHIP
 5514 A B C WAREHOUSE INC
 5517 OFFICE MAX
 5520 OFFICEMAX IMPRESS
 OFFICEMAX NORTH AMERICA INC
 5530 COPY MAX
 5534 PARTY AMERICA
 PARTY CONCEPTS INC
 5540 OCB RESTAURANT CO
 OLD COUNTRY BUFFET
 MAE HANSEN
 5576 JO ANN FABRICS & CRAFT STORE
 5612 DISCOUNT TIRE CO INW03
 5615 INDIANA DISCOUNT TIRE CO INC
 HARMONY MARKET
 5616 BOXES PLUS
 5622 G & C CO LLC
 FUTON FACTORY
 5632 CHASE PROPERTIES
 5650 BURLINGTON COAT FACTORY
 5652 WAL MART STORES INC
 5664 GOGIS FINE JEWELRY
 5670 LIBERTY MUTUAL INSURANCE CO

GRAPE RD 2013

5211 SPRINGLEAF FINANCIAL SERVICES
 5213 MINI STORAGE DEPOT
 5302 GURLEY LEEP
 GURLEY LEEP AUTOMOTIVE GROUP
 5327 C & B OPTICAL
 5415 STEAK N SHAKE
 5419 DAVID SCHOENS PRO SHOP
 STRIKES & SPARES ENTERTAINMENT CTR
 5505 BARGAIN BOOKS
 5514 HOBBY LOBBY
 5517 ABC WAREHOUSE
 RACC ACCEPTANCE
 5518 THE ROOM PLACE
 5520 COPYMAX
 OFFICEMAX MISHAWAKA
 5540 RYANS
 5603 FITNESS USA SUPERCENTER
 5610 CHASE PROPERTIES
 FUN F X INC
 5612 JOANN FABRICS & CRAFTS
 5615 DISCOUNT TIRE
 DISCOUNT TIRE CO
 5618 APPLE VALLEY NATURAL FOODS INC
 5626 BOWL OF PHO
 AVENUE
 5628 CHASE PROPERTIES
 5650 BURLINGTON COAT FACTORY
 5652 GAMESTOP
 5656 EUNIWAVE
 5660 CHECK INTO CASH
 5670

GRAPE RD 1999

5211	AMERICAN GENERAL FINANCE
5213	BONNIE HAGEMANN
5225	FRANKS NURSERY & CRAFTS
5302	BODY SHOP
	GURLEY LEEP BUICK GMC TRUCK
	GURLEY LEEP DODGE INCORPORATED
	ROCK OLDSMOBILE CADILLAC INCORPORATED
	UNIVERSITY PARK CHRYSLER PLYMOUTH INCORPORATED
5325	WOLF C J OD OFFICE OFFICE
5327	ALBERT PATRICK OD OFFICE
	C & B OPTICAL ONE
	CUKROWICZ DONALD L OD OFFICE
	LONG REBECCA A OD
	TREASE DONALD W OD
5415	STEAK N SHAKE
5419	SPIECE SALES COMPANY
5505	NEW YORK CARPET WORLD
5514	HOBBY LOBBY CREATIVE CENTERS
	MEDIA PLAY
5517	A B C WAREHOUSE
5520	COPY MAX
	FURNITURE MAX
	FURNITUREMAX
	OFFICE MAX
	OFFICEMAX
5540	OLD COUNTRY BUFFET
5603	FITNESS USA SUPERCENTERS
	SLENDERFORM UNIVERSAL HEALTH SPAS
	UNIVERSAL HEALTH SPA
5612	ERICAS VIKING WHITE SEWING CENTER
5615	DISCOUNT TIRE COMPANY INCORPORATED
	INDIANA DISCOUNT TIRE COMPANY INCORPORATED
5616	HARMONY MARKET
5620	BANC ONE FINANCIAL SERVICES
5624	FOX J R JEWELERS JWILRY
5626	BLIMPIE SUBS AND SALADS
5632	EL BEE SHOE OUTLET
	FUTON FACTORY
5634	FRAMES UNLIMITED
5650	CHASE PROPERTIES
5652	SAMS CLUB MEMBERS ONLY
5660	CONEY ISLAND EXPRESS
	FAMOUS CONEY EXPRESS
5668	HOUSEHOLD FINANCE CORPORATION

GRAPE RD 2003

5211	AMERICAN GENERAL FINNCL SRVC
5302	DODGE CITY BODY SHOP
	LIMITED INVESTMENTS INC
5327	C & B OPTICAL INC
	CUKROWICZ DONALD L OD OFFICE
5415	STEAK N SHAKE
5505	BARGAIN BOOKS
	MIGUEL TOBON
5614	HOBBY LOBBY CREATIVE CENTERS
	MEDIA PLAY
5517	ABC WAREHOUSE
5520	COPY MAX
	FURNITUREMAX
	OFFICEMAX
5534	PAPER FACTORY
5540	OLD COUNTRY BUFFET
5603	FITNESS USA SUPERCENTERS
5612	ERICAS VIKING WHITE SEWING CTR
	JO ANN FABRICS & CRAFTS
5615	DISCOUNT TIRE CO
5616	HARMONY MARKET
5622	BOXES PLUS
5626	BLIMPIE SUBS & SALADS
5628	WILL SHIRE PLAZA
5632	EL BEE SHOE OUTLET
	FUTON FACTORY
5650	CHASE PROPERTIES
5652	BURLINGTON COAT FACTORY
	BURLINGTON COAT FCTRY WRHS
5660	KRAMERS GRILL
5668	HOUSEHOLD FINANCE CORP

Target Street ✓

Cross Street

Source
Cole Information Services

GRAPE RD 1995

5211 AMERICAN GENERAL FINANCIAL CTR
 5213 BRASS, LINDA
 MINI STORAGE DEPOT
 5221 SUMPTON, DAN F
 5225 FRANKS NURSERY & CRAFTS
 5302 ENTERPRISE RENT A CAR
 GURLEY LEEP BUICK MERCEDES GMC
 GURLEY LEEP DODGE INC
 UNIVERSITY PARK CHRYSLER
 C & B OPTICAL
 5325 CATHERINE DE CLEENE OD
 DONALD L CUKROWICZ OD
 PATRICK ALBERT OD
 WOLF, C J
 5327 C & B OPTICAL
 C & B OPTICAL ONE
 DONALD W TREASE OD
 REBECCA A LONG OD
 5414 STEAK N SHAKE RESTAURANT
 5419 SPIECE SALES CO
 5505 NEW YORK CARPET WORLD
 5514 BUILDERS SQUARE
 5517 ABC WAREHOUSE
 5520 OFFICE MAX
 5530 PRO GOLF OF AMERICA INC
 5534 PAPER FACTORY
 5540 OLD COUNTRY BUFFET
 5603 FITNESS USA HEALTH SPAS
 5610 WACCAMAW
 5615 INDIANA DISCOUNT TIRE CO
 5616 HOUSE OF FABRICS INC
 SINGER SEWING CO
 5622 BOXES PLUS
 5624 J R FOX JEWELERS
 5632 EL BEE SHOE OUTLET
 JNB RETAIL
 5634 FRAMES UNLIMITED
 5650 CHASE PROPERTIES
 5652 SAMS CLUB
 5656 LOCAL BEAUTY SUPPLY
 5660 CONEY EXPRESS
 5664 VISION VALUES BY DR TAVEL
 5668 HOUSEHOLD FINANCE CO
 5670 LIBERTY MUTUAL INSURANCE

Target Street ✓

Cross Street

Source
Cole Information Services

GRAPE RD 1992

5211 AMER GEN FINANCIAL
 5213 MINI STORAGE DEPOT
 PIERPONT, DARRELL L
 5225 CIRCLE LUMBER INC
 5302 GURLEY LEEP BDY SHP
 5325 LONG REBECCA A OD
 5327 C&B OPTICAL
 5419 TEPE CATALOG SHWRM
 5505 NY CARPET WORLD
 5514 BUILDERS SQ 1529
 5517 HIGHLAND MBL ELTRNC
 5520 OFFICEMAX
 5530 WALZ J E COMFORT
 5532 WATZ J E SHOPPE
 5540 OLD COUNTRY BUFFET
 5603 SLENDERFORM SPAS
 5610 WACCAMAW
 5615 DISCOUNT TIRE CO
 5622 BOXES PLUS
 5624 FOX J R JEWELERS
 5628 C S O
 5632 EL BEE SHOE OUTLET
 5650 ZAREMBA MANGMNT SRV
 5652 WHOLESale CLUB THE
 5656 LOCAL BEAUTY SUPPLY
 5660 FAMOUS CONEY EXPRESS

GRAPE RD 1987

3618 Business Systems Inc off sup & equip
259-5451

43 2619 Fox & Sons Auto Clinic Inc 259-5778
3709 Certified Transmissions Inc 259-5688
3717 University Auto Wash gas 45
259-0807

3724 Barnaby's rest 259-0930
EDISON RD INTERSECTS

TOLL RD
NUMBERS IRREGULAR
6011 Toy & US 277-4928
3 Flat Mar pharac-discount variety
277-4938
9919 Fashion Bag woman's clo 271-9726
6039 Major's Hallmark Cards & Gifts
277-5086
6835 T J Maxx 277-4871
6901 Bryson Marketplace shopping center
273-8385

Abraham's women's clo 277-2577
Walton Works 277-0457
Frasco Unlimited 277-4617
Linda's Flower Mkt 273-0932
Elegant Peddler decorative home
accessories 273-2855
Housewife's Outlet 273-8420
Linda Red Shoe House-Factory Outlet
277-0632
Fit Or Miss J sportswear clo ret
277-4353
Rainbow Shoppe The rear 277-9898
Bishop's piano rest 277-5918
Socks Galore & More 277-3892
Linen Center 277-9723
Clothes Works 277-3275
Big Lots (Consolidated Stores Corp)
variety 277-2944
C & O J fashions 273-4165
Cosmetic Outlet 277-7767
Dus Personal Haus 277-0563
Bryson Marketplace (Ode) 272-8266
Northwest Fabrics ret 277-7826
Games Plus amusement pl 278-9709
Parsons Footwear 277-2801
Hirth Wholesale Jewelry 277-2343
Pleats Hdk Fashion 278-4336
Tiffany Factory Outlet lamp sil
277-0589
ES-Dee Shoe outlet 277-6793
Paper Factory The paper pride party
goods 277-2763

GRAPE RD 1987

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GRAPE RD 1982

28808 Royal Shirley A. Mrs. @ 284-4482
PEAR RD INTERSECTS

GRAPE RD (CLAY-PRVN TOWNSHIPS-FROM ADAMS RD SOUTH

PO GRANGER IND ZIP CODE 48580

51049 Broadway Robt. R. @ 273-1818
51318 Graham Harvans @ 272-4877
51320 Bertie Jenson R. @ 272-8184
51381 Strompinski Ethel E. @ 272-8382
51582 Mae Gregory C. @ 272-4394
51667 Venard
51678 Cecelia Hubert N. @ 277-3671
51729 Squires Wm R. @ 272-4186
51729 Strantz Sarah J. @ 272-3672

FAIRFIELD LA INTERSECTS

51747 Kusquet Paul E. @ 272-5324
51748 Ashbaugh Roger @ 277-3310
51819 Springer Etwia @
51885 Kelly Paul @
51886 Sabo Louis F. @ 272-3516
51963 Rowson Rosemary H. @ 272-3576

BRICK RD INTERSECTS

62631 Luke Richard L. @ 272-3426
62692 Brown Ernest O. @
62840 Crawford Harold D. @ 272-4601
62861 Keet Donald A. @ 272-3687
62880 Meyer Roland E. @ 272-2782

62881 Meyer Roland E. @ 272-2782

GERALD ST BEGINS

63114 Bretton Lanny O. @ 272-3819
63115 Wheeler Cary W. @ 272-4651
63122 Eckardt Kenneth L. @ 272-3604

BRANDON LA BEGINS

63217 Harris Hugh R. @ 277-4728
63298 Langley Larry W. @ 272-1148
63676-Kewels Ruth 277-2770

DAVIDEN INTERSECTS

63495 Harway David A. @ 277-4998
63810 Christon Dale @ 272-5244
63811 Forrest John H. @ 272-3687
63830 Hussner James M. @ 272-3823
63840 Larson Dale A. Mrs. @ 272-2188
63882-Cregory Ruth W. @ 277-2827
63888 Newcomer Robt. S. @ 272-1913

GRAPE RD 1987

4218 Christine Spitt Shores Th. 277-8285
4318 Chicago Distributing Co. Inc. 277-7194
4319 Jory's Food Conv. equip. & flooring sh.
277-2513
4341 Koffing Bed. equip. & flooring sh.
4342 Cramer rooms sh. 277-1252
4343 Krome Rooming sh. 277-1252
4344 Connors Siles @ 272-6265

TANGLEWOOD LA BEGINS

4355 Kottelmann & Co. Inc. 277-2524
4356 Honey-Hucks 272-9288
4359 H. D. INTERSECTS

WESTLAND RD INTERSECTS

4422 Olive-Blaven 277-2280
4423 Olive-Blaven 277-2280
4424 Olive-Blaven 277-2280
4425 Olive-Blaven 277-2280
4426 Olive-Blaven 277-2280
4427 Olive-Blaven 277-2280
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4470 Olive-Blaven 277-2280

GRAPE RD (M)—Cont'd	3905 No Return	3907 Kate Luda 255-1190	3909* Brian Mary E 256-5946	3911 Mick Maude E Mrs 259-4319	SUGAR PINE DR INTERSECTS	3222 Toth B E 255-8413	3224 Huffine Diane S Mrs 255-8479	3226 Wozniak Roman 255-8491	3228 Dubreux Sue	3230* Jankowski Bert 256-3011	3302 Simpson Carol	3304 Pavik T E 256-1929	3306 Goddard Gladys 255-8481	3308 Hoffman Josephine 259-8709	3310 Whitman Tokla 256-5159	3312 Duncan Elis 255-8232	3314 Jones Cecil E 259-5953	3316 Lyman Wm 259-0159	3318 Wheeler Kathleen A 256-0504	3320 Crocker Kath 259-0586	3322 Andrysiak Janine S	3618 Business Systems Inc 259-5631	3619 Fox & Sons Auto Clinic Inc 256-8778	3717 Vacant	3726 Barnaby's restr 256-0920	EDISON RD INTERSECTS	6402 Jeremiah Sweeney's restr 277-6369	6501 University Park Mall	Sears Roebuck And Co 277-4800	Farmers Garden Restaurant 277-6930	Musicaud 277-5383	Waldenbaska 277-4858
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HAMILTON ST INTERSECTS	3805 N. W. 277-4198	3807 Young Thomas V 277-4211	3810 Johnson University W 256-5278	3812 Vacant	3814 Adams-Black S 256-6098	CANTALINA AV INTERSECTS	3816 Senger Greg W 256-5279	3818 Senger Greg W 256-5279	3820 Senger Greg W 256-5279	3822 Senger Greg W 256-5279	3824 Senger Greg W 256-5279	3826 Senger Greg W 256-5279	3828 Senger Greg W 256-5279	3830 Senger Greg W 256-5279	3832 Senger Greg W 256-5279	3834 Senger Greg W 256-5279	3836 Senger Greg W 256-5279	3838 Senger Greg W 256-5279	3840 Senger Greg W 256-5279	3842 Senger Greg W 256-5279	3844 Senger Greg W 256-5279	3846 Senger Greg W 256-5279	3848 Senger Greg W 256-5279	3850 Senger Greg W 256-5279	3852 Senger Greg W 256-5279	3854 Senger Greg W 256-5279	3856 Senger Greg W 256-5279	3858 Senger Greg W 256-5279	3860 Senger Greg W 256-5279	3862 Senger Greg W 256-5279	3864 Senger Greg W 256-5279	3866 Senger Greg W 256-5279	3868 Senger Greg W 256-5279	3870 Senger Greg W 256-5279	3872 Senger Greg W 256-5279	3874 Senger Greg W 256-5279	3876 Senger Greg W 256-5279	3878 Senger Greg W 256-5279	3880 Senger Greg W 256-5279	3882 Senger Greg W 256-5279	3884 Senger Greg W 256-5279	3886 Senger Greg W 256-5279	3888 Senger Greg W 256-5279	3890 Senger Greg W 256-5279	3892 Senger Greg W 256-5279	3894 Senger Greg W 256-5279	3896 Senger Greg W 256-5279	3898 Senger Greg W 256-5279	3900 Senger Greg W 256-5279	3902 Senger Greg W 256-5279	3904 Senger Greg W 256-5279	3906 Senger Greg W 256-5279	3908 Senger Greg W 256-5279	3910 Senger Greg W 256-5279	3912 Senger Greg W 256-5279	3914 Senger Greg W 256-5279	3916 Senger Greg W 256-5279	3918 Senger Greg W 256-5279	3920 Senger Greg W 256-5279	3922 Senger Greg W 256-5279	3924 Senger Greg W 256-5279	3926 Senger Greg W 256-5279	3928 Senger Greg W 256-5279	3930 Senger Greg W 256-5279	3932 Senger Greg W 256-5279	3934 Senger Greg W 256-5279	3936 Senger Greg W 256-5279	3938 Senger Greg W 256-5279	3940 Senger Greg W 256-5279	3942 Senger Greg W 256-5279	3944 Senger Greg W 256-5279	3946 Senger Greg W 256-5279	3948 Senger Greg W 256-5279	3950 Senger Greg W 256-5279	3952 Senger Greg W 256-5279	3954 Senger Greg W 256-5279	3956 Senger Greg W 256-5279	3958 Senger Greg W 256-5279	3960 Senger Greg W 256-5279	3962 Senger Greg W 256-5279	3964 Senger Greg W 256-5279	3966 Senger Greg W 256-5279	3968 Senger Greg W 256-5279	3970 Senger Greg W 256-5279	3972 Senger Greg W 256-5279	3974 Senger Greg W 256-5279	3976 Senger Greg W 256-5279	3978 Senger Greg W 256-5279	3980 Senger Greg W 256-5279	3982 Senger Greg W 256-5279	3984 Senger Greg W 256-5279	3986 Senger Greg W 256-5279	3988 Senger Greg W 256-5279	3990 Senger Greg W 256-5279	3992 Senger Greg W 256-5279	3994 Senger Greg W 256-5279	3996 Senger Greg W 256-5279	3998 Senger Greg W 256-5279	4000 Senger Greg W 256-5279
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GRAPE RD 1972

51548	Cooper, Wm E	272-2203
51549	Springer, E P	272-2788
51550	Ruby Park	272-2868
51551	John W. Smith	272-2872
51552	Smith, Wm E	272-2403
BROOK RD INTERSECTS		
52021	Beaver, Edward C	272-2686
52022	Beaver, Ernest O	272-1297
52023	Carroll, Harold D	272-4651
52024	Carroll, Harold D	272-4651
52025	Carroll, Harold D	272-4651
52026	Carroll, Harold D	272-4651
52027	Carroll, Harold D	272-4651
52028	Carroll, Harold D	272-4651
GERALD ST BRIGNS		
52114	Morris, Donald E	272-2688
52115	Steen, E L	272-2688
52116	Steen, E L	272-2688
INTERSECTS		
52117	Keller, Phyllis A	272-2688
52118	Keller, David A	272-2688
52119	Longley, Larry W	272-1166
52120	Wyle, Gertrude Mrs	272-2688
INTERSECTS		
52407	Van Lee, Wm W	272-2688
52408	Walker, Lewis C	272-2688
52409	Vandegriff, James L	272-2688
52410	Vandegriff, James L	272-2688
52411	Barrow, John H	272-2688
52412	Barrow, John H	272-2688
52413	Barrow, John H	272-2688
52414	Barrow, John H	272-2688
52415	Barrow, John H	272-2688
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52499	Barrow, John H	272-2688
52500	Barrow, John H	272-2688

GRAPE RD 1972

541	26602 Rajski Shirley A Mrs	272-2113
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GRAPE RD 1972

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3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200																																																																																													

GRAPE RD 1969

3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300
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GRAPE RD 1969

GRAPE RD (CLTWP)---CONTD

55031 DAVIS HAROLD C • 255-3713
55051 WEAVER JERRY D •
55063 JONES DAN E • 259-1635
55087 JONES ASA E • 255-7483
55103 MINZEY GEO W •
55125 ZELASKO SOPHIE 255-6609
55126 RETTSCHLAG ARTH K • 255-2009
55155 JOHNSON GREGORY W
55195 PINDELL DOROTHY 255-0980
55205 FARKAS FRANK J • 255-8809
55218 MANNESMITH RICHD 255-0016
55225 SAGER GEO W • 259-5566
---CATALPA AV INTERSECTS
55261 WHITE DONALD D • 259-2996
55271 MORGAN CHARLES E • 259-3837
55274 NO RETURN
55299 NO RETURN
---BROWN AV INTERSECTS
55319 CARPENTER DONALD 255-2720
55353 YOUNG FRANK D • 255-2044
---BERRY AV INTERSECTS
55399 BURGGRAF ANDREW 259-3101
55409 WILEY LLOYD E • 255-5764
55421 JONES CLYDE S 259-3603
---EISENHOWER AV INTERSECTS
55983 NO RETURN
---DOUGLAS RD INTERSECTS

Building Permits



5505 GRAPE RD, MISHAWAKA, IN 46545

 SHOW MAP ()

Map ID: EDR ID: 238466356
 Direction: 28 EPA ID: -
 Distance (mi.): -
 Distance (ft.): -
 Relative: 0 FT ASL
 Actual:

PermitID_Start: 624120974|458
PermitDate: Sep 14 1999 12:00AM
PermitType: B
Description: KH: REMODEL REPAIRS COMMERCIAL BUILDING RES.ALT./REMODEL/FIR.REHA
PermitTypeDescription: BUILDING PERMIT
WorkClass: COMMERCIAL ALTERATION:
Proposeduse: Not reported
PermitNum: 16158
PermitStatus: OPEN
Valuation: 2477.00
ContractorCompanyName: Not reported
ContractorName: DOCTOR TAR ROOFING
PermitID_End: 624120974|458
PermitID_Start: 624120975|458
PermitDate: Dec 2 1999 12:00AM
PermitType: S
Description: KH: ONE ELECTRIC BLDG. MOUNTED; ONE FREESTANDING ELECTRIC, TWO SIDED COMMERCIAL
 BUILDING SIGN BLDG MOUNTED ELECT
PermitTypeDescription: SIGN PERMIT
WorkClass: SIGN
Proposeduse: Not reported
PermitNum: 2218
PermitStatus: FINAL
Valuation: 0.00
ContractorCompanyName: Not reported
ContractorName: SMR OF INDIANA
PermitID_End: 624120975|458
PermitID_Start: 624120976|458
PermitDate: Jul 8 2003 12:00AM
PermitType: S
Description: KH: 160 SQ. FT. COMMERCIAL BUILDING SIGN BLDG MOUNTED
PermitTypeDescription: SIGN PERMIT
WorkClass: SIGN
Proposeduse: Not reported
PermitNum: 2636
PermitStatus: OPEN
Valuation: 0.00
ContractorCompanyName: Not reported
ContractorName: FOREST SIGN & DISPLAY
PermitID_End: 624120976|458

APPENDIX D – EDR DATABASE REPORT



Commercial Property

5505 Grape Road
Mishawaka, IN 46545

Inquiry Number: 6671653.2s
September 21, 2021

The EDR Radius Map™ Report



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

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Overview Map	2
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Map Findings Summary	4
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Orphan Summary	65
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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5505 GRAPE ROAD
MISHAWAKA, IN 46545

COORDINATES

Latitude (North): 41.7104390 - 41° 42' 37.58"
Longitude (West): 86.1890810 - 86° 11' 20.69"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 567464.1
UTM Y (Meters): 4617732.0
Elevation: 752 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5947058 SOUTH BEND EAST, IN
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140919, 20140929
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 5505 GRAPE ROAD
 MISHAWAKA, IN 46545

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	DOUGLASS ROAD/UNIROY	NW INTERSECTION OF D	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS, ROD	Same	386, 0.073, West
1	SAMS CLUB 6315	5652 GRAPE RD	RCRA NonGen / NLR, FINDS, ECHO, MANIFEST	Higher	77, 0.015, ESE
A2	7-ELEVEN #32424	910 DOUGLAS RD	UST	Lower	288, 0.055, SW
A3	7ELEVEN INC	910 W DOUGLAS RD	EDR Hist Auto	Lower	288, 0.055, SW
4	BATTERIES PLUS	525 W. DOUGLAS RD.	SWRCY	Lower	467, 0.088, SSW
B5	7 ELEVEN 32424	901 W DOUGLAS RD	RCRA-VSQQ, FINDS, ECHO, MANIFEST	Lower	497, 0.094, WSW
B6	DOUGLAS ROAD LANDFIL	16845 DOUGLAS RD	AUL	Lower	576, 0.109, WSW
C7	GURLEY LEEP BUICK IN	5302 N GRAPE RD	RCRA-VSQQ, FINDS, ECHO, IND WASTE, MANIFEST	Lower	656, 0.124, SSE
C8	GURLEY-LEEP BUICK IN	5302 N GRAPE RD	UST	Lower	656, 0.124, SSE
C9	HABITAT FOR HUMANITY	5225 GRAPE RD	SWRCY	Lower	710, 0.134, SSE
10	UNIROYAL DOUGLAS RD	DOUGLAS RD	RCRA NonGen / NLR, FINDS, ECHO, MANIFEST	Higher	719, 0.136, West
C11	UNIV PARK CHRYSLER P	5210 GRAPE RD	RCRA-VSQQ, FINDS, ECHO, IND WASTE, MANIFEST	Lower	806, 0.153, SSE
12	ZIKER CLEANERS	5209 GRAPE RD	DRYCLEANERS	Lower	940, 0.178, SSE
13	LAKE SHORE ESTATES &	815 W DOUGLAS	AUL, BROWNFIELDS	Lower	1458, 0.276, SW
14	WAL-MART SUPERCENTER	316 INDIAN RIDGE BLV	SWRCY	Higher	1931, 0.366, ENE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS..... List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

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

SWF/LF..... Permitted Solid Waste Facilities

OPEN DUMPS..... Open Dump Waste Sites

State and tribal leaking storage tank lists

LUST..... LUST Leaking Underground Storage Tank List

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... Above Ground Storage Tanks

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

State and tribal voluntary cleanup sites

VCP..... Voluntary Remediation Program Site List

SCP..... State Cleanup Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Waste Tire Sites Listing

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

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

ODI..... Open Dump Inventory

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

Local Lists of Hazardous waste / Contaminated Sites

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

CDL..... Clandestine Drug Lab Listing

DEL SHWS..... Deleted Commissioner's Bulletin Sites List

US CDL..... National Clandestine Laboratory Register

PFAS..... Per- and Polyfluoroalkyl Substances

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

SPILLS..... Spills Incidents
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Permitted Sources & Emissions Listing
ASBESTOS..... Asbestos Notification Listing
BULK..... Registered Bulk Fertilizer and Pesticide Storage Facilities
CFO..... Confined Feeding Operations
COAL ASH..... Coal Ash Disposal Sites
Financial Assurance..... Financial Assurance Information Listing
NPDES..... NPDES Permit Listing
OISC..... Office of Indiana State Chemist Database
TIER 2..... Tier 2 Facility Listing
UIC..... UIC Site Listing
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EXECUTIVE SUMMARY

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DOUGLASS ROAD/UNIROY</i> Cerclis ID: 501696 EPA Id: IND980607881	<i>NW INTERSECTION OF D</i>	<i>W 0 - 1/8 (0.073 mi.)</i>	<i>0</i>	<i>8</i>

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 SEMS

EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLASS ROAD/UNIROY Site ID: 0501696 EPA Id: IND980607881	NW INTERSECTION OF D	W 0 - 1/8 (0.073 mi.)	0	8

Federal RCRA generators list

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

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3 RCRA-VSQG 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>
7 ELEVEN 32424 EPA ID:: INR000016550	901 W DOUGLAS RD	WSW 0 - 1/8 (0.094 mi.)	B5	31
GURLEY LEEP BUICK IN EPA ID:: IND084586635	5302 N GRAPE RD	SSE 0 - 1/8 (0.124 mi.)	C7	36
UNIV PARK CHRYSLER P EPA ID:: IND981949472	5210 GRAPE RD	SSE 1/8 - 1/4 (0.153 mi.)	C11	55

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLASS ROAD/UNIROY EPA ID:: IND980607881 EPA ID:: IND980607881	NW INTERSECTION OF D	W 0 - 1/8 (0.073 mi.)	0	8

US INST 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.

A review of the US INST CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLASS ROAD/UNIROY EPA ID:: IND980607881	NW INTERSECTION OF D	W 0 - 1/8 (0.073 mi.)	0	8

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 Management's Indiana Registered Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 05/05/2021 has revealed that there are 2 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>
7-ELEVEN #32424 Tank Status: Currently in use Facility Id: 24263	910 DOUGLAS RD	SW 0 - 1/8 (0.055 mi.)	A2	29
GURLEY-LEEP BUICK IN Tank Status: Permanently Out of Service Facility Id: 2227	5302 N GRAPE RD	SSE 0 - 1/8 (0.124 mi.)	C8	49

State and tribal institutional control / engineering control registries

AUL: A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

A review of the AUL list, as provided by EDR, and dated 05/04/2021 has revealed that there are 2 AUL 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>
DOUGLAS ROAD LANDFIL LAKE SHORE ESTATES & Facility Id: 4110606	16845 DOUGLAS RD 815 W DOUGLAS	WSW 0 - 1/8 (0.109 mi.) SW 1/4 - 1/2 (0.276 mi.)	B6 13	35 61

State and tribal Brownfields sites

BROWNFIELDS: >A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/13/2021 has revealed that there is 1 BROWNFIELDS 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>
LAKE SHORE ESTATES &	815 W DOUGLAS	SW 1/4 - 1/2 (0.276 mi.)	13	61

EXECUTIVE SUMMARY

Facility Id: 4110606

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities located in the state of Indiana.

A review of the SWRCY list, as provided by EDR, and dated 02/10/2021 has revealed that there are 3 SWRCY 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>
WAL-MART SUPERCENTER	316 INDIAN RIDGE BLV	ENE 1/4 - 1/2 (0.366 mi.)	14	62
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BATTERIES PLUS	525 W. DOUGLAS RD.	SSW 0 - 1/8 (0.088 mi.)	4	30
HABITAT FOR HUMANITY	5225 GRAPE RD	SSE 1/8 - 1/4 (0.134 mi.)	C9	50

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAMS CLUB 6315 EPA ID:: INR000008235	5652 GRAPE RD	ESE 0 - 1/8 (0.015 mi.)	1	25
UNIROYAL DOUGLAS RD EPA ID:: IND984897652	DOUGLAS RD	W 1/8 - 1/4 (0.136 mi.)	10	51

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

A review of the ROD list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLASS ROAD/UNIROY EPA ID:: IND980607881	NW INTERSECTION OF D	W 0 - 1/8 (0.073 mi.)	0	8

EXECUTIVE SUMMARY

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

A review of the CONSENT list, as provided by EDR, and dated 06/30/2021 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLASS ROAD/UNIROY	NW INTERSECTION OF D	W 0 - 1/8 (0.073 mi.)	0	8

DRYCLEANERS: Drycleaner Facility Listing.

A review of the DRYCLEANERS list, as provided by EDR, and dated 10/17/2017 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ZIKER CLEANERS Facility Id: IN0503212	5209 GRAPE RD	SSE 1/8 - 1/4 (0.178 mi.)	12	60

IND WASTE: The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality.

A review of the IND WASTE list, as provided by EDR, and dated 08/04/2015 has revealed that there are 2 IND WASTE 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>
GURLEY LEEP BUICK IN Regulatory: IND084586635	5302 N GRAPE RD	SSE 0 - 1/8 (0.124 mi.)	C7	36
UNIV PARK CHRYSLER P Regulatory: IND981949472	5210 GRAPE RD	SSE 1/8 - 1/4 (0.153 mi.)	C11	55

MANIFEST:

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 5 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAMS CLUB 6315 EPA ID: INR000008235	5652 GRAPE RD	ESE 0 - 1/8 (0.015 mi.)	1	25
UNIROYAL DOUGLAS RD EPA ID: IND984897652	DOUGLAS RD	W 1/8 - 1/4 (0.136 mi.)	10	51
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7 ELEVEN 32424 EPA ID: INR000016550	901 W DOUGLAS RD	WSW 0 - 1/8 (0.094 mi.)	B5	31
GURLEY LEEP BUICK IN EPA ID: IND084586635	5302 N GRAPE RD	SSE 0 - 1/8 (0.124 mi.)	C7	36
UNIV PARK CHRYSLER P	5210 GRAPE RD	SSE 1/8 - 1/4 (0.153 mi.)	C11	55

EXECUTIVE SUMMARY

EPA ID: IND981949472

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

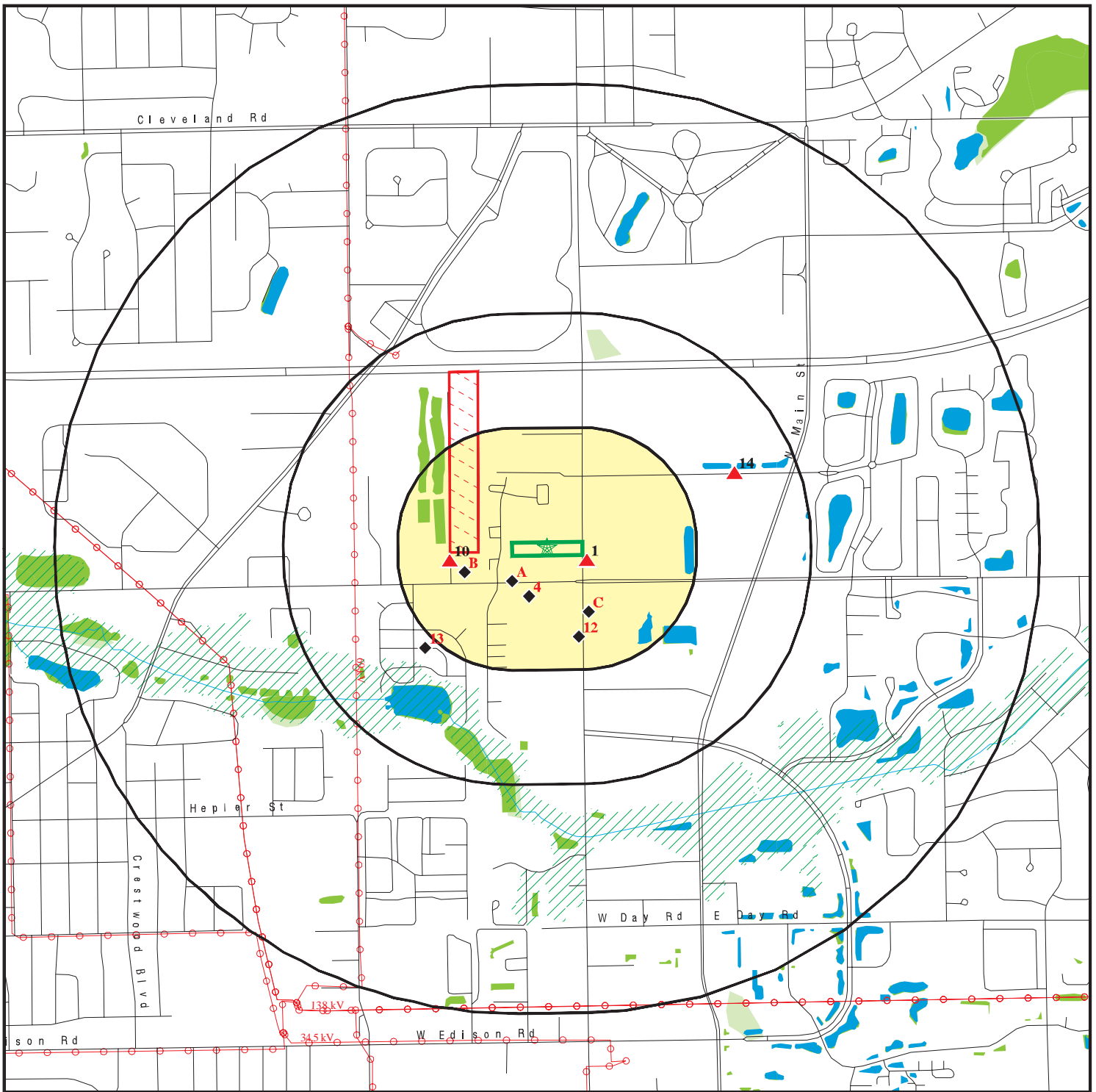
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
7ELEVEN INC	910 W DOUGLAS RD	SW 0 - 1/8 (0.055 mi.)	A3	30

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

<u>Site Name</u>	<u>Database(s)</u>
CHIPPEWA AVENUE WELL FIELD	SHWS
MEIJER INC	LUST

OVERVIEW MAP - 6671653.2S



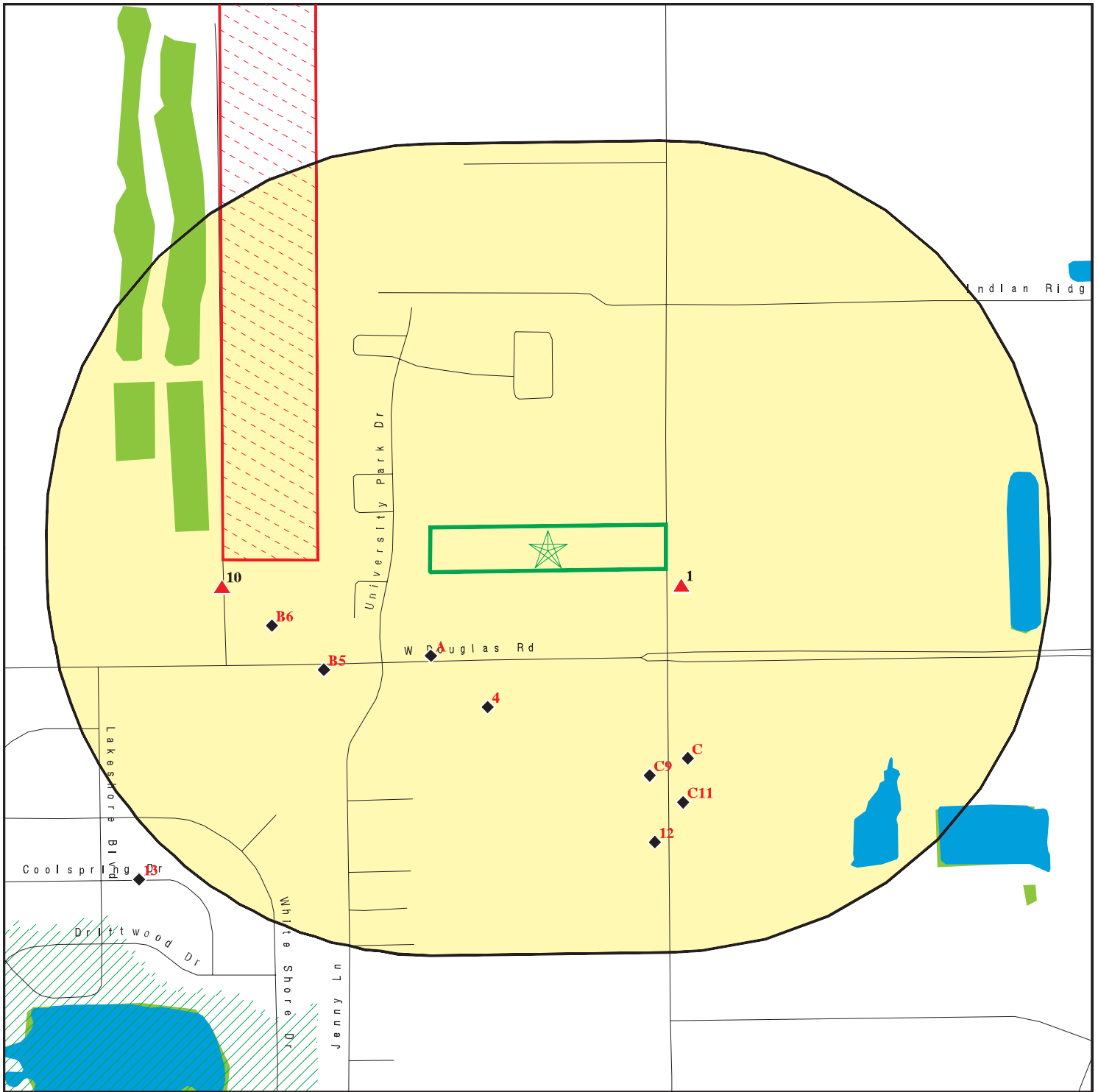
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard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

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: Commercial Property
 ADDRESS: 5505 Grape Road
 Mishawaka IN 46545
 LAT/LONG: 41.710439 / 86.189081

CLIENT: Soil Exploration Services
 CONTACT: Michelle Rommel
 INQUIRY #: 6671653.2S
 DATE: September 21, 2021 3:37 pm

DETAIL MAP - 6671653.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

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: Commercial Property
 ADDRESS: 5505 Grape Road
 Mishawaka IN 46545
 LAT/LONG: 41.710439 / 86.189081

CLIENT: Soil Exploration Services
 CONTACT: Michelle Rommel
 INQUIRY #: 6671653.2s
 DATE: September 21, 2021 3:39 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		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	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	0	NR	NR	NR	0
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		2	0	NR	NR	NR	2
AST	0.125		0	NR	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		1	0	1	NR	NR	2
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
SCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		1	1	1	NR	NR	3
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
BULK	0.250		0	0	NR	NR	NR	0
CFO	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
Financial Assurance	0.001		0	NR	NR	NR	NR	0
IND WASTE	0.250		1	1	NR	NR	NR	2
MANIFEST	0.250		3	2	NR	NR	NR	5
NPDES	0.001		0	NR	NR	NR	NR	0
OISC	0.250		0	0	NR	NR	NR	0
TIER 2	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	18	7	3	0	0	28

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

**NPL
 Region
 West
 < 1/8
 386 ft.**

**DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
 NW INTERSECTION OF DOUGLASS AND GRAPE RD
 MISHAWAKA, IN 46544**

**NPL
 SEMS
 US ENG CONTROLS
 US INST CONTROLS
 ROD
 CONSENT**

**1000235640
 IND980607881**

NPL:

EPA Region: 5
 EPA ID: IND980607881
 Site ID: 501696
 Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
 Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
 City,State,Zip: MISHAWAKA, IN 46544
 Federal: N
 Final Date: 1989-03-31 00:00:00
 Latitude: 41.7132
 Longitude: -86.1926
 Site Score: 36.609999999999999

NPL:

NPL Status: Currently on the Final NPL
 Substance ID: Not reported
 CAS Number: Not reported
 Substance: Not reported
 Pathway: Not reported
 Scoring: Not reported

NPL Status: Currently on the Final NPL
 Substance ID: U057
 CAS Number: 108-94-1
 Substance: CYCLOHEXANONE
 Pathway: DIRECT CONTACT PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: U057
 CAS Number: 108-94-1
 Substance: CYCLOHEXANONE
 Pathway: GROUND WATER PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: U057
 CAS Number: 108-94-1
 Substance: CYCLOHEXANONE
 Pathway: SURFACE WATER PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: U159
 CAS Number: 78-93-3
 Substance: METHYL ETHYL KETONE
 Pathway: DIRECT CONTACT PATHWAY
 Scoring: 3

NPL Status: Currently on the Final NPL
 Substance ID: U159
 CAS Number: 78-93-3
 Substance: METHYL ETHYL KETONE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	U213
CAS Number:	109-99-9
Substance:	TETRAHYDROFURAN
Pathway:	DIRECT CONTACT PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	U213
CAS Number:	109-99-9
Substance:	TETRAHYDROFURAN
Pathway:	GROUND WATER PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	U213
CAS Number:	109-99-9
Substance:	TETRAHYDROFURAN
Pathway:	SURFACE WATER PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	U220
CAS Number:	108-88-3
Substance:	TOLUENE
Pathway:	DIRECT CONTACT PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	U220
CAS Number:	108-88-3
Substance:	TOLUENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1
NPL Status:	Currently on the Final NPL
Substance ID:	U239
CAS Number:	1330-20-7
Substance:	XYLENE
Pathway:	DIRECT CONTACT PATHWAY
Scoring:	3
NPL Status:	Currently on the Final NPL
Substance ID:	U239
CAS Number:	1330-20-7
Substance:	XYLENE
Pathway:	NO PATHWAY INDICATED
Scoring:	1

Summary Details:

Conditions at proposal June 10, 1986): The Douglass Road/ Uniroyal, Inc., Landfill covers approximately 19 acres in St. Joseph County just north of Mishawaka, Indiana, near the corner of Douglass Road and Grape Road. A residential areas to the west of the fenced site and a shopping complex is to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

the east. The landfill is owned by Uniroyal, Inc., and was operated between 1954 and 1979. From 1954 to 1971, solvents, fly ash, paper, wood stock, rubber, and plastic wrap were disposed of at the landfill, which was unlined. Only fly ash was disposed of from 1971 to 1979. Uniroyal then covered the landfill with 1 foot of topsoil and seeded it. According to Uniroyal, some 6,000 barrels of waste were disposed of at the landfill, including methyl ethyl ketone, tetrahydrofuran, toluene, cyclohexanone, and xylene. The landfill is underlain by permeable soils and is located in an area of glacial sand and gravel deposits, conditions that facilitate the movement of contaminants into ground water, as well as the rapid movement of ground water. The South Bend Water Department has seven wells within 3 miles of the site that draw from a sand and gravel aquifer at an average depth of 150 feet. Water from the wells is blended and distributed to approximately 120,000 people. Status March 31, 1989): The Indiana Department of Environmental Management has drafted an order under which Uniroyal will conduct a remedial investigation/feasibility study to determine the type and extent of contamination at the site and identify alternatives for remedial action. EPA is reviewing the draft.

NPL:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 10 And <= 25 Feet
Category Value: 17 FTBGS

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 1/4 And <= 1/2 Mile
Category Value: 1500

NPL Status: Currently on the Final NPL
Category Description: Site Activity Waste Source-Manufacturing-Rubber/Plastic
Category Value: TIRES

NPL:

NPL Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL

NPL:

EPA Region: 05
Site ID: 0501696
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 03/31/89
Date Proposed: 06/10/86

NPL:

Proposed Date: 06/10/1986
Final Date: 03/31/1989
Deleted Date: Not reported
NPL Status: Final

SEMS:

Site ID: 0501696
EPA ID: IND980607881
Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
Cong District: 2
FIPS Code: 18141
Latitude: +41.713200
Longitude: -86.192600
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 1
Start Date: 1994-09-30 04:00:00
Finish Date: 6/30/1997
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 01
Action Code: LR
Action Name: LT RESP
SEQ: 1
Start Date: 2000-10-05 04:00:00
Finish Date: 11/11/2011
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2002-03-12 05:00:00
Finish Date: 9/11/2002
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2007-01-29 05:00:00
Finish Date: 9/11/2007
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2012-08-20 05:00:00
Finish Date: 8/20/2012
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 4
Start Date: 2016-09-01 05:00:00
Finish Date: 7/19/2017
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 04:00:00
Finish Date: 6/1/1981
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501696
EPA ID:	IND980607881
Site Name:	DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	1995-07-12 04:00:00
Finish Date:	Not reported
Qual:	E
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501696
EPA ID:	IND980607881
Site Name:	DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL:	F
FF:	N
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	2000-09-19 04:00:00
Finish Date:	9/19/2000
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501696
EPA ID:	IND980607881
Site Name:	DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1993-06-02 04:00:00
Finish Date:	7/13/1995
Qual:	M
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501696
EPA ID:	IND980607881
Site Name:	DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Start Date: 1994-06-30 04:00:00
Finish Date: 5/3/1996
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 1
Start Date: 1993-06-30 04:00:00
Finish Date: 11/11/2011
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1985-07-29 05:00:00
Finish Date: 7/29/1985
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1989-03-31 05:00:00
Finish Date: 3/31/1989
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1986-06-10 04:00:00
Finish Date: 6/10/1986
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 3
Start Date: 1992-11-19 05:00:00
Finish Date: 11/19/1992
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1994-08-12 04:00:00
Finish Date: 6/11/1996
Qual: S
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-09-01 05:00:00
Finish Date: 9/1/1984
Qual: H
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

NPL: F
FF: N
OU: 01
Action Code: RA
Action Name: RA
SEQ: 1
Start Date: 1997-09-30 04:00:00
Finish Date: 12/5/2011
Qual: IR
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 02
Action Code: RA
Action Name: RA
SEQ: 2
Start Date: 1996-09-27 04:00:00
Finish Date: 12/5/2011
Qual: IR
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 1
Start Date: 1995-02-23 05:00:00
Finish Date: 9/10/1996
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 02
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1996-05-08 04:00:00
Finish Date: 9/30/1996
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1995-07-13 04:00:00
Finish Date: 7/13/1995
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1996-05-03 04:00:00
Finish Date: 5/3/1996
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1989-07-12 04:00:00
Finish Date: 7/20/1989
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-06-28 04:00:00
Finish Date: 7/23/1991
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1995-01-11 05:00:00
Finish Date: Not reported
Qual: V
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 2
Start Date: 2017-05-26 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: GR
Action Name: PART DEL
SEQ: 1
Start Date: 2020-09-30 05:00:00
Finish Date: 9/30/2020
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 01
Action Code: OM
Action Name: OM
SEQ: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Start Date: 2011-07-01 05:00:00
Finish Date: 7/1/2011
Qual: Not reported
Current Action Lead: St Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 01
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2003-11-06 05:00:00
Finish Date: Not reported
Qual: M
Current Action Lead: St Perf

Region: 05
Site ID: 0501696
EPA ID: IND980607881
Site Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-07-01 04:00:00
Finish Date: 7/1/1983
Qual: H
Current Action Lead: St Perf

Site:

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
Event Code: Not reported
Action Taken Date: 05/03/1996
EPA ID: IND980607881
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Contaminated Media: Groundwater
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Media:

EPA ID: IND980607881
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 07/13/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 07/13/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 07/13/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

EPA ID: IND980607881
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 05/03/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

US INST CONTROLS:

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
Action Name: Explanation of Significant Differences
Action ID: 1
Operable Unit: 02
Actual Date: 09/14/2012
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
Action Name: Record of Decision
Action ID: 1
Operable Unit: 01
Actual Date: 07/13/1995
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
Action Name: Record of Decision
Action ID: 1
Operable Unit: 01
Actual Date: 07/13/1995
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
Address 2: Not reported
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 05/03/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +41.713200
Longitude: -86.192600

ROD:

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
RG: 5
Site ID: 501696
Action: GOVT Decision Document (ROD)
Operable Unit Number: LANDFILL CAP
SEQ ID: 1
Action Completion: 1995-07-13 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
RG: 5
Site ID: 501696
Action: GOVT Decision Document (ROD)
Operable Unit Number: GROUNDWATER
SEQ ID: 2
Action Completion: 1996-05-03 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
City,State,Zip: MISHAWAKA, IN 46544
EPA ID: IND980607881
RG: 5
Site ID: 501696
Action: GOVT ESD
Operable Unit Number: GROUNDWATER
SEQ ID: 1
Action Completion: 2012-09-14 00:00:00
NPL Status: Final
Non NPL Status: Not reported

CONSENT:

EPA ID: IND980607881
Site ID: Not reported
Case Title: IN RE: UNIROYAL PLASTICS COMPANY, INC.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOUGLASS ROAD/UNIROYAL, INC., LANDFILL (Continued)

1000235640

Court Num: 91-33364 91-32791
 District: Indiana, North
 Entered Date: 19920928
 Name: DOUGLAS LANDFILL
 Name: DOUGLASS ROAD/UNIROYAL, INC., LANDFILL
 Address: NW INTERSECTION OF DOUGLASS AND GRAPE RD
 City,State,Zip: MISHAWAKA, IN 46544
 County: ST. JOSEPH

1
ESE
< 1/8
0.015 mi.
77 ft.

SAMS CLUB 6315
5652 GRAPE RD
MISHAWAKA, IN 46545

RCRA NonGen / NLR
FINDS
ECHO
MANIFEST

1001481736
INR000008235

Relative:
Higher
Actual:
752 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 1996-10-08 00:00:00.0
 Handler Name: SAMS CLUB 6315
 Handler Address: 5652 GRAPE RD
 Handler City,State,Zip: MISHAWAKA, IN 46545
 EPA ID: INR000008235
 Contact Name: JEFF BIEL
 Contact Address: 5652 GRAPE RD
 Contact City,State,Zip: MISHAWAKA, IN 46545
 Contact Telephone: 219-271-4220
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 05
 Land Type: Private
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: DEPT 8013
 Mailing City,State,Zip: BENTONVILLE, AR 72716-8013
 Owner Name: WAL MART STORES INC
 Owner Type: Private
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAMS CLUB 6315 (Continued)

1001481736

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WAL MART STORES INC
Legal Status:	Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAMS CLUB 6315 (Continued)

1001481736

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: DEPT 8013
Owner/Operator City,State,Zip: BENTONVILLE, AR 72716-8013
Owner/Operator Telephone: 501-273-1949
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-10-08 00:00:00.0
Handler Name: SAMS CLUB 6315
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003127447

Click Here:

Environmental Interest/Information System:

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAMS CLUB 6315 (Continued)

1001481736

ECHO:

Envid: 1001481736
Registry ID: 110003127447
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003127447>
Name: SAMS CLUB 6315
Address: 5652 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545

IN MANIFEST:

Name: SAMS CLUB 6315
Address: 5652 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: INR000008235
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Manifest Handler:

EPA Id #: INR000008235
Generator Type: Not reported
Generator Status: 7
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: DEPT 8013
Handler Mailing City/State/Zip: BENTONVILLE, AR 72716-8013
Contact Name: JEFF BIEL
Contact Telephone: 574-271-4220
Contact Type: Environmental Coordinator

Name: SAMS CLUB 6315
Address: 5652 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: INR000008235
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SAMS CLUB 6315 (Continued)

1001481736

Rejected: Not reported
Returned: Not reported

Name: SAMS CLUB 6315
Address: 5652 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: INR000008235
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDf EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

A2
SW
< 1/8
0.055 mi.
288 ft.

7-ELEVEN #32424
910 DOUGLAS RD
MISHAWAKA, IN 46545
Site 1 of 2 in cluster A

UST U003711879
N/A

Relative:
Lower
Actual:
749 ft.

UST:
Name: 7-ELEVEN #32424
Address: 910 DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
Facility ID: 24263
Owner Id: 121
Company Name: 7 Eleven Inc
Mailing Address: PO Box 711
Mailing Address 2: Attn: Gas Compliance - LOC 150
Mailing City,St,Zip: Dallas, TX 75221

Tank Number: 1
AI ID: 30845
TRACS Tank Number: 1C1
Tank Status: Currently in use
Install Date: 09/01/1999
Tank Capacity: 15000
Substance Desc: Gasoline
Closed Date: Not reported

Name: 7-ELEVEN #32424
Address: 910 DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545

Tank Number: 2
AI ID: 30845
TRACS Tank Number: 2C1
Tank Status: Currently in use
Install Date: 09/01/1999
Tank Capacity: 10000
Substance Desc: Gasoline

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

7-ELEVEN #32424 (Continued)

U003711879

Closed Date: Not reported

A3
SW
 < 1/8
 0.055 mi.
 288 ft.

7ELEVEN INC
910 W DOUGLAS RD
MISHAWAKA, IN 46545
Site 2 of 2 in cluster A

EDR Hist Auto 1020500623
N/A

Relative: EDR Hist Auto
Lower

Actual:	Year:	Name:	Type:
749 ft.	2001	NEUMAN ANDREW	Convenience Stores
	2002	NEUMAN ANDREW	Convenience Stores
	2003	7ELEVEN INC	Convenience Stores
	2004	7ELEVEN INC	Convenience Stores
	2010	7ELEVEN INC	Convenience Stores
	2011	7ELEVEN INC	Convenience Stores
	2012	7ELEVEN INC	Convenience Stores
	2013	7ELEVEN INC	Convenience Stores
	2014	7ELEVEN INC	Convenience Stores

4
SSW
 < 1/8
 0.088 mi.
 467 ft.

BATTERIES PLUS
525 W. DOUGLAS RD.
MISHAWAKA, IN 46545

SWRCY S109949496
N/A

Relative: SWRCY:
Lower

Actual: Name: BATTERIES PLUS
 747 ft. Address: 525 W. DOUGLAS RD.
 City,State,Zip: MISHAWAKA, IN 46545
 Program Company: Not reported
 Program Contact Name: Not reported
 Address: Not reported
 City: Not reported
 State: Not reported
 Zip: Not reported
 Contact Phone: Not reported
 County: Not reported
 Entity Type: Not reported
 Sites Notes: Not reported
 Customers: Not reported
 Materials Accepted: Rechargeable Batteries
 Website: Not reported
 Contact Name: Not reported
 Manufacturer: Not reported
 Processor: Not reported
 Broker: Not reported
 Other: Not reported
 Automotive Fluids: Not reported
 Batteries: Not reported
 Construction/Related Products: Not reported
 Electronics/Related Products: Not reported
 Glass: Not reported
 Industrial Materials: Not reported
 Metals: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BATTERIES PLUS (Continued)

S109949496

Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

B5
WSW
< 1/8
0.094 mi.
497 ft.

7 ELEVEN 32424
901 W DOUGLAS RD
MISHAWAKA, IN 46545
Site 1 of 2 in cluster B

RCRA-VSQQ **1001817006**
FINDS **INR000016550**
ECHO
MANIFEST

Relative:
Lower
Actual:
748 ft.

RCRA-VSQQ:		
Date Form Received by Agency:	7 ELEVEN 32424	1999-10-20 00:00:00.0
Handler Name:		
Handler Address:		901 W DOUGLAS RD
Handler City,State,Zip:		MISHAWAKA, IN 46545
EPA ID:		INR000016550
Contact Name:		GARRY W BLAIR
Contact Address:		PO BOX 711
Contact City,State,Zip:		DALLAS, TX 75221
Contact Telephone:		757-490-1711
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		05
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 711
Mailing City,State,Zip:		DALLAS, TX 75221
Owner Name:		7 ELEVEN INC
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

7 ELEVEN 32424 (Continued)

1001817006

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-09-27 14:52:01.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	7 ELEVEN INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN 32424 (Continued)

1001817006

Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 711
Owner/Operator City,State,Zip:	DALLAS, TX 75221-0711
Owner/Operator Telephone:	214-828-0711
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-10-20 00:00:00.0
Handler Name:	7 ELEVEN 32424
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found
--------------	----------------------

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

FINDS:

Registry ID:	110003132878
--------------	--------------

Click Here:

Environmental Interest/Information System:

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7 ELEVEN 32424 (Continued)

1001817006

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

ECHO:

Envid: 1001817006
Registry ID: 110003132878
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003132878>
Name: 7 ELEVEN 32424
Address: 901 W DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545

IN MANIFEST:

Name: 7-ELEVEN #32424
Address: 901 W DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: INR000016550
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSD EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Manifest Handler:

EPA Id #: INR000016550
Generator Type: CEG
Generator Status: Active Handler
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: PO BOX 711
Handler Mailing City/State/Zip: DALLAS, TX 75221
Contact Name: GARRY BLAIR
Contact Telephone: 757-490-1711
Contact Type: Environmental Coordinator

Name: 7-ELEVEN #32424
Address: 901 W DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: INR000016550
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSD EPAID: Not reported

Map ID
 Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

7 ELEVEN 32424 (Continued)

1001817006

Management code: Not reported
 Management Desc: Not reported
 Waste Code: Not reported
 Rejected: Not reported
 Returned: Not reported

Name: 7-ELEVEN #32424
 Address: 901 W DOUGLAS RD
 City,State,Zip: MISHAWAKA, IN 46545
 Year: Not reported
 EPA ID: INR000016550
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported
 Report Type: Not reported
 Page No: Not reported
 Waste Desc: Not reported
 UOM: Not reported
 TSDf EPAID: Not reported
 Management code: Not reported
 Management Desc: Not reported
 Waste Code: Not reported
 Rejected: Not reported
 Returned: Not reported

B6
WSW
< 1/8
0.109 mi.
576 ft.

DOUGLAS ROAD LANDFILL
16845 DOUGLAS RD
MISHAWAKA, IN 46545
Site 2 of 2 in cluster B

AUL S113390664
N/A

Relative:
Lower
Actual:
751 ft.

AUL:
 Name: DOUGLAS ROAD LANDFILL
 Address: 16845 DOUGLAS RD
 City,State,Zip: MISHAWAKA, IN 46545
 IC TYPE: Environmental Restrictive Covenant
 Facility Id: Not reported
 Program Area: Not reported
 Affected Media: Ground Water; Subsurface Soil
 Date Ic Recorded: 12/21/2011
 Description: Not reported
 Control Method A: Landfill Gas System
 Coverage A: Portion of Property
 Chemicals Of Concern A: Other
 Comments A: Methane gas collection and venting from landfill.
 Control Method B: Soil or Vegetative Cap
 Coverage B: Portion of Property
 Chemicals Of Concern B: VOCs - Volatile Organic Compounds; PCB - Polychlorinated Byphenols;
 Metals; PAH - Polynuclear Aromatic Hydrocarbons
 Comments B: Maintenance of landfill under IDEM oversight.
 Control Method C: Agricultural or Food Crop
 Coverage C: Entire Property
 Chemicals Of Concern C: Metals; PAH - Polynuclear Aromatic Hydrocarbons; PCB - Polychlorinated
 Byphenols
 Comments C: Not reported
 Control Method D: Ground Water Use Restriction
 Coverage D: Entire Property
 Chemicals Of Concern D: Metals; PAH - Polynuclear Aromatic Hydrocarbons; VOCs - Volatile
 Organic Compounds

Map ID
 Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOUGLAS ROAD LANDFILL (Continued)

S113390664

Comments D:	Do not use the ground water for human or animal consumption, gardening, or industrial process or cooling.
Control Method E:	Other Restriction (Specify)
Coverage E:	Entire Property
Chemicals Of Concern E:	Metals; VOCs - Volatile Organic Compounds; PCB - Polychlorinated Byphenols; PAH - Polynuclear Aromatic Hydrocarbons
Comments E:	Owner shall prohibit any activity that interferes with long-term monitoring or measures necessary to assure integrity of any response action, the fence, or warning signs on Real Estate.
Control Method F:	Residential Use Restriction
Coverage F:	Entire Property
Chemicals Of Concern F:	Metals; PAH - Polynuclear Aromatic Hydrocarbons; PCB - Polychlorinated Byphenols; VOCs - Volatile Organic Compounds
Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

C7
SSE
 < 1/8
 0.124 mi.
 656 ft.

GURLEY LEEP BUICK INC
5302 N GRAPE RD
MISHAWAKA, IN 46545
 Site 1 of 4 in cluster C

RCRA-VSQG 1000283542
FINDS IND084586635
ECHO
IND WASTE
MANIFEST

Relative:
Lower
Actual:
746 ft.

RCRA-VSQG:		
Date Form Received by Agency:	GURLEY LEEP BUICK INC	2004-03-04 00:00:00.0
Handler Name:		
Handler Address:		5302 N GRAPE RD
Handler City,State,Zip:		MISHAWAKA, IN 46545
EPA ID:		IND084586635
Contact Name:		PAT KELLY
Contact Address:		5201 N GRAPE RD
Contact City,State,Zip:		MISHAWAKA, IN 46545
Contact Telephone:		574-272-2043
Contact Fax:		Not reported
Contact Email:		PKELLY@GURLEYLEEP.COM
Contact Title:		Not reported
EPA Region:		05
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5302 N GRAPE RD
Mailing City,State,Zip:		MISHAWAKA, IN 46545
Owner Name:		MIKE LEEP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Owner Type:	Private
Operator Name:	NAME NOT REPORTED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

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

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

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ADDRESS NOT REPORTED
Owner/Operator City,State,Zip:	CITY NOT REPORTED, AK 99998
Owner/Operator Telephone:	312-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MIKE LEEP
Legal Status:	Private
Date Became Current:	1998-11-10 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	5302 N GRAPE RD
Owner/Operator City,State,Zip:	MISHAWAKA, IN 46545
Owner/Operator Telephone:	574-532-2276
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Owner/Operator Indicator: Operator
Owner/Operator Name: NAME NOT REPORTED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: ADDRESS NOT REPORTED
Owner/Operator City,State,Zip: CITY NOT REPORTED, AK 99998
Owner/Operator Telephone: 312-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MIKE LEEP
Legal Status: Private
Date Became Current: 1998-11-10 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 5302 N GRAPE RD
Owner/Operator City,State,Zip: MISHAWAKA, IN 46545
Owner/Operator Telephone: 574-532-2276
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GURLEY LEEP BUICK INC
Legal Status: Private
Date Became Current: 2002-10-20 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MIKE LEEP
Legal Status: Private
Date Became Current: 1998-11-10 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 5302 N GRAPE RD
Owner/Operator City,State,Zip: MISHAWAKA, IN 46545
Owner/Operator Telephone: 574-532-2276
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MIKE LEEP
Legal Status: Private
Date Became Current: 1998-11-10 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 5302 N GRAPE RD
Owner/Operator City,State,Zip: MISHAWAKA, IN 46545
Owner/Operator Telephone: 574-532-2276
Owner/Operator Telephone Ext: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ADDRESS NOT REPORTED
Owner/Operator City,State,Zip:	CITY NOT REPORTED, AK 99998
Owner/Operator Telephone:	312-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GURLEY LEEP BUICK INC
Legal Status:	Private
Date Became Current:	2002-10-20 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GURLEY LEEP BUICK INC
Legal Status:	Private
Date Became Current:	2002-10-20 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ADDRESS NOT REPORTED
Owner/Operator City,State,Zip:	CITY NOT REPORTED, AK 99998
Owner/Operator Telephone:	312-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Historic Generators:	
Receive Date:	1986-08-05 00:00:00.0
Handler Name:	GURLEY LEEP BUICK INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-10-20 00:00:00.0
Handler Name: GURLEY LEEP BUICK INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-01-20 00:00:00.0
Handler Name: GURLEY LEEP BUICK INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-03-04 00:00:00.0
Handler Name: GURLEY LEEP BUICK INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 11111
NAICS Description: SOYBEAN FARMING

Facility Has Received Notices of Violation:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2003-05-15 00:00:00.0

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Actual Return to Compliance Date: 2004-02-26 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 2003-09-06 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: JRENO
Enforcement Responsible Sub-Organization: ENF
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2003-05-15 00:00:00.0
Actual Return to Compliance Date: 2004-02-26 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 2003-10-16 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: PROPOSED AGREED ORDER (PAO) SENT

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Enforcement Responsible Person:	IWGLO
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2003-05-15 00:00:00.0
Actual Return to Compliance Date:	2004-02-26 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2003-05-16 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Enforcement Responsible Person: MWEDD
Enforcement Responsible Sub-Organization: DAS
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2003-05-15 00:00:00.0
Actual Return to Compliance Date: 2004-02-26 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 2004-01-30 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: JRENO
Enforcement Responsible Sub-Organization: ENF
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 2750
Paid Amount: 2750
Final Count: 1
Final Amount: 2750

Evaluation Action Summary:
Evaluation Date: 2003-05-15 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	MWEDD
Evaluation Responsible Sub-Organization:	DAS
Actual Return to Compliance Date:	2004-02-26 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-05-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	MWEDD
Evaluation Responsible Sub-Organization:	DAS
Actual Return to Compliance Date:	2004-02-26 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1996-09-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	LFROS
Evaluation Responsible Sub-Organization:	CM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-04-25 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	LFROS
Evaluation Responsible Sub-Organization:	IWG
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-05-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	MWEDD
Evaluation Responsible Sub-Organization:	DAS
Actual Return to Compliance Date:	2004-02-26 00:00:00.0
Scheduled Compliance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-05-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	MWEDD
Evaluation Responsible Sub-Organization:	DAS
Actual Return to Compliance Date:	2004-02-26 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID: 110003085134

Click Here:

Environmental Interest/Information System:

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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.

STATE MASTER

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

ECHO:

Envid:	1000283542
Registry ID:	110003085134
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003085134
Name:	GURLEY LEEP BUICK INC
Address:	5302 N GRAPE RD
City,State,Zip:	MISHAWAKA, IN 46545

IND WASTE:

Regulatory:	IND084586635
Program:	HW
Reference:	Access Point
Date Data Collect:	04/25/2003
Object ID:	209338

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

IN MANIFEST:

Name: GURLEY LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND084586635
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Manifest Handler:

EPA Id #: IND084586635
Generator Type: CEG
Generator Status: Active Handler
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: 5302 N GRAPE RD
Handler Mailing City/State/Zip: MISHAWAKA, IN 46545
Contact Name: PAT KELLY
Contact Telephone: 574-272-2043
Contact Type: Environmental Coordinator

Name: GURLEY LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND084586635
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Name: GURLEY LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND084586635

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY LEEP BUICK INC (Continued)

1000283542

Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDf EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

C8
SSE
< 1/8
0.124 mi.
656 ft.

GURLEY-LEEP BUICK INC
5302 N GRAPE RD
MISHAWAKA, IN 46545

UST U003950933
N/A

Site 2 of 4 in cluster C

Relative:
Lower
Actual:
746 ft.

UST:
Name: GURLEY-LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Facility ID: 2227
Owner Id: 6095
Company Name: Gurley Leep Buick
Mailing Address: 5302 N Grape Rd
Mailing Address 2: Not reported
Mailing City,St,Zip: Mishawaka, IN 46545

Tank Number: 1
AI ID: 30100
TRACS Tank Number: 1C1
Tank Status: Permanently Out of Service
Install Date: Not reported
Tank Capacity: 6000
Substance Desc: Gasoline
Closed Date: 05/01/1988

Name: GURLEY-LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545

Tank Number: 2
AI ID: 30100
TRACS Tank Number: 2C1
Tank Status: Permanently Out of Service
Install Date: Not reported
Tank Capacity: Not reported
Substance Desc: Other
Closed Date: 05/01/1988

Name: GURLEY-LEEP BUICK INC
Address: 5302 N GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545

Tank Number: 3
AI ID: 30100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GURLEY-LEEP BUICK INC (Continued)

U003950933

TRACS Tank Number: 3C1
Tank Status: Permanently Out of Service
Install Date: Not reported
Tank Capacity: Not reported
Substance Desc: Used Oil
Closed Date: 05/01/1988

C9
SSE
1/8-1/4
0.134 mi.
710 ft.

HABITAT FOR HUMANITY RESTORE (MISHAWAKA)
5225 GRAPE RD
MISHAWAKA, IN 46544

SWRCY S123268781
N/A

Site 3 of 4 in cluster C

Relative:
Lower
Actual:
746 ft.

SWRCY:
Name: HABITAT FOR HUMANITY RESTORE (MISHAWAKA)
Address: 5225 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46544
Program Company: Not reported
Program Contact Name: Not reported
Address: Not reported
City: Not reported
State: Not reported
Zip: Not reported
Contact Phone: Not reported
County: Not reported
Entity Type: Not reported
Sites Notes: Not reported
Customers: Not reported
Materials Accepted: Not reported
Website: Not reported
Contact Name: Not reported
Manufacturer: Not reported
Processor: Not reported
Broker: Not reported
Other: Not reported
Automotive Fluids: Not reported
Batteries: Not reported
Construction/Related Products: Not reported
Electronics/Related Products: Not reported
Glass: Not reported
Industrial Materials: Not reported
Metals: Not reported
Paper: Not reported
Plastics: Not reported
Rubber: Not reported
Textiles: Not reported
Wood/Organics: Not reported
Recycling: Not reported
Hours of Operation: Not reported
Hazardous Waste: Not reported
E Scrap: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

10
West
1/8-1/4
0.136 mi.
719 ft.

UNIROYAL DOUGLAS RD LDFL
DOUGLAS RD
MISHAWAKA, IN 46545

RCRA NonGen / NLR
FINDS
ECHO
MANIFEST

1000510148
IND984897652

Relative:
Higher
Actual:
754 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2004-06-09 00:00:00.0
 Handler Name: UNIROYAL DOUGLAS RD LDFL
 Handler Address: DOUGLAS RD
 Handler City,State,Zip: MISHAWAKA, IN 46545
 EPA ID: IND984897652
 Contact Name: JANE OCONNOR
 Contact Address: 312 N HILL ST
 Contact City,State,Zip: MISHAWAKA, IN 46544
 Contact Telephone: 219-256-8618
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 05
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 312 N HILL ST
 Mailing City,State,Zip: MISHAWAKA, IN 46544
 Owner Name: UNIROYAL PLASTICS CO
 Owner Type: Private
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported
 2018 GPRA Permit Baseline: Not on the Baseline
 2018 GPRA Renewals Baseline: Not on the Baseline
 Permit Renewals Workload Universe: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNIROYAL DOUGLAS RD LDFL (Continued)

1000510148

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNIROYAL PLASTICS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNIROYAL PLASTICS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIROYAL DOUGLAS RD LDFL (Continued)

1000510148

Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2004-06-09 00:00:00.0
Handler Name: UNIROYAL DOUGLAS RD LDFL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1991-06-05 00:00:00.0
Handler Name: UNIROYAL DOUGLAS RD LDFL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110064309109

Click Here:

Environmental Interest/Information System:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIROYAL DOUGLAS RD LDFL (Continued)

1000510148

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

ECHO:

Envid: 1000510148
Registry ID: 110064309109
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110064309109>
Name: UNIROYAL DOUGLAS RD LDFL
Address: DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545

IN MANIFEST:

Name: UNIROYAL DOUGLAS RD LANDFILL
Address: DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND984897652
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Manifest Handler:

EPA Id #: IND984897652
Generator Type: Not reported
Generator Status: Dead Mail, mail was returned
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: 312 N HILL ST
Handler Mailing City/State/Zip: MISHAWAKA, IN 46544-1399
Contact Name: JANE OCONNOR
Contact Telephone: 574-256-8618
Contact Type: Environmental Coordinator

Name: UNIROYAL DOUGLAS RD LANDFILL
Address: DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND984897652
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNIROYAL DOUGLAS RD LDFL (Continued)

1000510148

Management code: Not reported
 Management Desc: Not reported
 Waste Code: Not reported
 Rejected: Not reported
 Returned: Not reported

Name: UNIROYAL DOUGLAS RD LANDFILL
 Address: DOUGLAS RD
 City,State,Zip: MISHAWAKA, IN 46545
 Year: Not reported
 EPA ID: IND984897652
 Tons Generated: Not reported
 Tons Shipped OffSite: Not reported
 Report Type: Not reported
 Page No: Not reported
 Waste Desc: Not reported
 UOM: Not reported
 TSDf EPAID: Not reported
 Management code: Not reported
 Management Desc: Not reported
 Waste Code: Not reported
 Rejected: Not reported
 Returned: Not reported

**C11
 SSE
 1/8-1/4
 0.153 mi.
 806 ft.**

**UNIV PARK CHRYSLER PLYMOUTH
 5210 GRAPE RD
 MISHAWAKA, IN 46545
 Site 4 of 4 in cluster C**

**RCRA-VSQG 1000431282
 FINDS IND981949472
 ECHO
 IND WASTE
 MANIFEST**

**Relative:
 Lower
 Actual:
 745 ft.**

RCRA-VSQG: 1986-12-24 00:00:00.0
 Date Form Received by Agency: 1986-12-24 00:00:00.0
 Handler Name: UNIV PARK CHRYSLER PLYMOUTH
 Handler Address: 5210 GRAPE RD
 Handler City,State,Zip: MISHAWAKA, IN 46545
 EPA ID: IND981949472
 Contact Name: ROBERT D PETIT
 Contact Address: 5302 N GRAPE RD
 Contact City,State,Zip: MISHAWAKA, IN 46545
 Contact Telephone: 574-532-2276
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 05
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 5210 GRAPE RD
 Mailing City,State,Zip: MISHAWAKA, IN 46545
 Owner Name: LEEP MIKE AND GURLEY JAN
 Owner Type: Private
 Operator Name: NAME NOT REPORTED
 Operator Type: Private

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

UNIV PARK CHRYSLER PLYMOUTH (Continued)

1000431282

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-09-19 12:16:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIV PARK CHRYSLER PLYMOUTH (Continued)

1000431282

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D021
Waste Description:	CHLOROBENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LEEP MIKE AND GURLEY JAN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5302 N GRAPE RD
Owner/Operator City,State,Zip:	MISHAWAKA, IN 46545
Owner/Operator Telephone:	574-272-0990
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ADDRESS NOT REPORTED
Owner/Operator City,State,Zip:	CITY NOT REPORTED, AK 99998
Owner/Operator Telephone:	312-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1986-12-24 00:00:00.0
Handler Name:	UNIV PARK CHRYSLER PLYMOUTH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIV PARK CHRYSLER PLYMOUTH (Continued)

1000431282

Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110003094561

Click Here:

Environmental Interest/Information System:

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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.

STATE MASTER

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

ECHO:

Envid:	1000431282
Registry ID:	110003094561
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003094561
Name:	UNIVERSITY PARK CHRYSLER PLYM
Address:	5210 GRAPE RD
City,State,Zip:	MISHAWAKA, IN 46545

IND WASTE:

Regulatory:	IND981949472
Program:	HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIV PARK CHRYSLER PLYMOUTH (Continued)

1000431282

Reference: Access Point
Date Data Collect: Not reported
Object ID: 223080

IN MANIFEST:

Name: UNIVERSITY PARK CHRYSLER PLYMOUTH
Address: 5210 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND981949472
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSD EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Manifest Handler:

EPA Id #: IND981949472
Generator Type: CEG
Generator Status: Active Handler
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: 5210 GRAPE RD
Handler Mailing City/State/Zip: MISHAWAKA, IN 46545
Contact Name: ROBERT DEAN PETTIT
Contact Telephone: 574-532-2276
Contact Type: Environmental Coordinator

Name: UNIVERSITY PARK CHRYSLER PLYMOUTH
Address: 5210 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND981949472
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSD EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

Name: UNIVERSITY PARK CHRYSLER PLYMOUTH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNIV PARK CHRYSLER PLYMOUTH (Continued)

1000431282

Address: 5210 GRAPE RD
City,State,Zip: MISHAWAKA, IN 46545
Year: Not reported
EPA ID: IND981949472
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDf EPAID: Not reported
Management code: Not reported
Management Desc: Not reported
Waste Code: Not reported
Rejected: Not reported
Returned: Not reported

12
SSE
1/8-1/4
0.178 mi.
940 ft.

ZIKER CLEANERS
5209 GRAPE RD
MISHAWAKA, IN

DRYCLEANERS **S112242218**
N/A

Relative:
Lower
Actual:
745 ft.

IN Dryclean:
Facility ID: IN0503212
Alias Name: Not reported
Facility Telephone: 219/272-9462
Contact Name: MORTON ZIKER
Contact Phone: Not reported
Address: 251 E SAMPLE ST
City: SOUTH BEND
State: IN
Zip Code: 46601
Zip4: Not reported
Comment: Not reported
Violation: Not reported
Perc Gallons: 0
Estimated Perc Gallons: Not reported
RMEN Closed: No
Other: No
Int Received Date: 02/25/94
Prev Received Date: Not reported
Cntrl Received Date: Not reported
Class/Mach: Not reported
Five Star: Not reported
Cmpl Action: Not reported
Inspection Date: Not reported
Inspector: Not reported
Mailed Date: Not reported
Status: Not reported
Cause: Not reported
Date Response: Not reported
PO Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

13
SW
1/4-1/2
0.276 mi.
1458 ft.

LAKE SHORE ESTATES & WILLOW CLUB MHP
815 W DOUGLAS
MISHAWAKA, IN 46545

AUL S111225778
BROWNFIELDS N/A

Relative:
Lower
Actual:
737 ft.

AUL:
Name: LAKE SHORE ESTATES & WILLOW CLUB MOBILE HOME PARK
Address: 815 W DOUGLAS RD
City,State,Zip: MISHAWAKA, IN 46545
IC TYPE: Environmental Restrictive Covenant
Facility Id: 4110606
Program Area: Brownfields
Affected Media: Ground Water
Date Ic Recorded: 10/26/2011
Description: Not reported
Control Method A: Ground Water Use Restriction
Coverage A: Entire Property
Chemicals Of Concern A: Metals
Comments A: Not reported
Control Method B: Not reported
Coverage B: Not reported
Chemicals Of Concern B: Not reported
Comments B: Not reported
Control Method C: Not reported
Coverage C: Not reported
Chemicals Of Concern C: Not reported
Comments C: Not reported
Control Method D: Not reported
Coverage D: Not reported
Chemicals Of Concern D: Not reported
Comments D: Not reported
Control Method E: Not reported
Coverage E: Not reported
Chemicals Of Concern E: Not reported
Comments E: Not reported
Control Method F: Not reported
Coverage F: Not reported
Chemicals Of Concern F: Not reported
Comments F: Not reported
Control Method G: Not reported
Coverage G: Not reported
Chemicals Of Concern G: Not reported
Comments G: Not reported
Control Method H: Not reported
Coverage H: Not reported
Chemicals Of Concern H: Not reported
Comments H: Not reported
Control Method I: Not reported
Coverage I: Not reported
Chemicals Of Concern I: Not reported
Comments I: Not reported

IN BROWNFIELD:
Name: LAKE SHORE ESTATES & WILLOW CLUB MHP
Address: 815 W DOUGLAS
City,State,Zip: MISHAWAKA, IN 46545
Facility ID: 4110606
Project Manager: Kyle Hendrix

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAKE SHORE ESTATES & WILLOW CLUB MHP (Continued)

S111225778

AI Id: 102399
Financial Assistance: Not reported
Other Assistance: Comfort Letter 9/22/2011
ERC Not Required: Yes
Land Use Restriction: No groundwater extraction
Recordation Date or Letter: 10/26/2011

14
ENE
1/4-1/2
0.366 mi.
1931 ft.

WAL-MART SUPERCENTER
316 INDIAN RIDGE BLVD
MISHAWAKA, IN 46545

SWRCY S121117810
N/A

Relative:
Higher
Actual:
757 ft.

SWRCY:
Name: WAL-MART SUPERCENTER
Address: 316 INDIAN RIDGE BLVD
City,State,Zip: MISHAWAKA, IN 46545
Program Company: Not reported
Program Contact Name: Not reported
Address: Not reported
City: Not reported
State: Not reported
Zip: Not reported
Contact Phone: (574) 243-9188
County: Not reported
Entity Type: Not reported
Sites Notes: Not reported
Customers: Not reported
Materials Accepted: Not reported
Website: Not reported
Contact Name: Not reported
Manufacturer: Not reported
Processor: Not reported
Broker: Not reported
Other: Not reported
Automotive Fluids: Not reported
Batteries: Not reported
Construction/Related Products: Not reported
Electronics/Related Products: Not reported
Glass: Not reported
Industrial Materials: Not reported
Metals: Not reported
Paper: Not reported
Plastics: Not reported
Rubber: Not reported
Textiles: Not reported
Wood/Organics: Not reported
Recycling: Not reported
Hours of Operation: Not reported
Hazardous Waste: Not reported
E Scrap: Not reported

Name: WAL-MART SUPERCENTER
Address: 316 INDIAN RIDGE BLVD
City,State,Zip: MISHAWAKA, IN 46545
Program Company: Not reported
Program Contact Name: Not reported
Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER (Continued)

S121117810

City: Not reported
State: Not reported
Zip: Not reported
Contact Phone: Not reported
County: Not reported
Entity Type: Not reported
Sites Notes: Not reported
Customers: Not reported
Materials Accepted: Not reported
Website: Not reported
Contact Name: Not reported
Manufacturer: Not reported
Processor: Not reported
Broker: Not reported
Other: Not reported
Automotive Fluids: Not reported
Batteries: Not reported
Construction/Related Products: Not reported
Electronics/Related Products: Not reported
Glass: Not reported
Industrial Materials: Not reported
Metals: Not reported
Paper: Not reported
Plastics: Not reported
Rubber: Not reported
Textiles: Not reported
Wood/Organics: Not reported
Recycling: Not reported
Hours of Operation: Not reported
Hazardous Waste: Not reported
E Scrap: Not reported

Name: WAL-MART SUPERCENTER
Address: 316 INDIAN RIDGE BLVD
City,State,Zip: MISHAWAKA, IN 46545
Program Company: Not reported
Program Contact Name: Not reported
Address: Not reported
City: Not reported
State: Not reported
Zip: Not reported
Contact Phone: Not reported
County: Not reported
Entity Type: Not reported
Sites Notes: Not reported
Customers: Not reported
Materials Accepted: Not reported
Website: Not reported
Contact Name: Not reported
Manufacturer: Not reported
Processor: Not reported
Broker: Not reported
Other: Not reported
Automotive Fluids: Not reported
Batteries: Not reported
Construction/Related Products: Not reported
Electronics/Related Products: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER (Continued)

S121117810

Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MISHAWAKA	U000747314	MEIJER INC	54174 GRAPE RD	46545	LUST
SOUTH BEND	S105299361	CHIPPEWA AVENUE WELL FIELD	SOUTH BEND WELL FIELDS		SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: N/A
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 09/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: N/A
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 09/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: 800-424-9346
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 09/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/25/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021	Source: EPA
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 312-886-6186
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 312-886-6186
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 312-886-6186
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 312-886-6186
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/10/2021	Source: Department of the Navy
Date Data Arrived at EDR: 05/13/2021	Telephone: 843-820-7326
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/05/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

List of hazardous waste response sites scored utilizing the Indiana Scoring Model. The Indiana Scoring Model is a method of prioritizing, for state response actions, those hazardous substances response sites which are not on the National Priorities List. The ISM serves as the Commissioners management tool to address those sites which pose the most significant threat to human health and the environment in addition to assuring the departments resources are allocated accordingly.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 08/27/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 22

Source: Department of Environmental Management
Telephone: 317-308-3052
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

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

OPEN DUMPS: Open Dump Waste Sites

Open Dumps are sites that are not regulated and are illegal dump sites of solid waste, as defined by IAC 10-2-28 329 and IAC 10-2-128 of the Indiana Administrative Code.

Date of Government Version: 06/26/2009
Date Data Arrived at EDR: 12/11/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 40

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

SWF/LF: Permitted Solid Waste Facilities

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

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/30/2021
Number of Days to Update: 84

Source: Department of Environmental Management
Telephone: 317-232-0066
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Lust Leaking Underground Storage Tank List

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: 05/05/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/10/2021
Number of Days to Update: 81

Source: Department of Environmental Management
Telephone: 317-232-8900
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021	Source: EPA Region 7
Date Data Arrived at EDR: 06/11/2021	Telephone: 913-551-7003
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021	Source: EPA Region 8
Date Data Arrived at EDR: 06/11/2021	Telephone: 303-312-6271
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	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: 05/17/2021	Source: EPA Region 6
Date Data Arrived at EDR: 06/11/2021	Telephone: 214-665-6597
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/27/2021	Source: EPA Region 10
Date Data Arrived at EDR: 06/11/2021	Telephone: 206-553-2857
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021	Source: EPA, Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-7439
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-8677
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 06/17/2021
Number of Days to Update: 90	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/27/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/11/2021	Telephone: 415-972-3372
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

State and tribal registered storage tank lists

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

Date of Government Version: 01/29/2021	Source: FEMA
Date Data Arrived at EDR: 02/17/2021	Telephone: 202-646-5797
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 06/29/2021
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Varies

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

Date of Government Version: 05/05/2021	Source: Department of Environmental Management
Date Data Arrived at EDR: 05/21/2021	Telephone: 317-308-3008
Date Made Active in Reports: 08/10/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks
A listing of aboveground storage tank sites that reported under the emergency rule.

Date of Government Version: 01/25/2017	Source: N/A
Date Data Arrived at EDR: 05/16/2017	Telephone: 317-232-2393
Date Made Active in Reports: 09/06/2017	Last EDR Contact: 07/26/2021
Number of Days to Update: 113	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: N/A

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

Date of Government Version: 04/27/2021	Source: EPA Region 10
Date Data Arrived at EDR: 06/11/2021	Telephone: 206-553-2857
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021	Source: EPA, Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021	Source: EPA Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-6136
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/01/2021	Source: EPA Region 7
Date Data Arrived at EDR: 06/11/2021	Telephone: 913-551-7003
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	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: 05/27/2021	Source: EPA Region 8
Date Data Arrived at EDR: 06/11/2021	Telephone: 303-312-6137
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/27/2021	Source: EPA Region 9
Date Data Arrived at EDR: 06/11/2021	Telephone: 415-972-3368
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-9424
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 06/17/2021
Number of Days to Update: 90	Next Scheduled EDR Contact: 11/01/2021
	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: 05/17/2021	Source: EPA Region 6
Date Data Arrived at EDR: 06/11/2021	Telephone: 214-665-7591
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

AUL: Sites with Restrictions

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 05/04/2021	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/01/2021	Telephone: 317-232-8603
Date Made Active in Reports: 06/02/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Site List

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 07/14/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/06/2020	Telephone: 317-234-0966
Date Made Active in Reports: 12/24/2020	Last EDR Contact: 07/09/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Semi-Annually

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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/15/2021
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Varies

SCP: State Cleanup Program Sites

The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

Date of Government Version: 07/14/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/06/2020	Telephone: 317-233-0068
Date Made Active in Reports: 12/24/2020	Last EDR Contact: 07/09/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redevelopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 05/13/2021	Source: Department of Environmental Management
Date Data Arrived at EDR: 05/21/2021	Telephone: 317-233-2570
Date Made Active in Reports: 08/12/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/10/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/10/2021	Telephone: 202-566-2777
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 09/14/2021
Number of Days to Update: 68	Next Scheduled EDR Contact: 12/27/2021
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Indiana.

Date of Government Version: 02/10/2021	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/11/2021	Telephone: 317-234-4050
Date Made Active in Reports: 05/06/2021	Last EDR Contact: 07/07/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/25/2021
	Data Release Frequency: Varies

SWTIRE: Waste Tire Sites Listing

This listing consists of Tire Sites - sites which contain tires - either for processing, for storage, or transport - as well as some illegal tire dumps, as defined by IC 13-11-2-251, IC 13-11-2-252, and IC 13-11-250.5 of the Indiana Code.

Date of Government Version: 10/19/2018	Source: Department of Environmental Management
Date Data Arrived at EDR: 01/04/2019	Telephone: 317-232-8726
Date Made Active in Reports: 02/08/2019	Last EDR Contact: 09/03/2021
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/20/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/13/2021
Number of Days to Update: 137	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/20/2021
Number of Days to Update: 176	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-307-1000
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug labs that have been cleaned up.

Date of Government Version: 08/29/2016	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/05/2016	Telephone: 317-416-5031
Date Made Active in Reports: 10/20/2016	Last EDR Contact: 06/29/2021
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/04/2008	Telephone: 317-234-0347
Date Made Active in Reports: 04/14/2008	Last EDR Contact: 08/17/2021
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/18/2021	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-307-1000
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: Per- and Polyfluoroalkyl Substances

A listing of Known PFAS contaminated sites in Indiana.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Department of Environmental Management
Telephone: 317-232-8667
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

CDL 2: A listing of clandestine labs reported to the Indiana State Police.

A listing of clandestine labs reported to the Indiana State Police.

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Indiana State Police
Telephone: 317-234-4591
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 04/30/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/10/2021
Number of Days to Update: 81

Source: Department of Environmental Management
Telephone: 317-308-3038
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/07/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/11/2002	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/28/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 312-886-6186
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-528-4285
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/29/2021
	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: 07/13/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/25/2021
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/09/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 09/01/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/15/2021
	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: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 07/09/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	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: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/09/2009	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: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/11/2021	Telephone: 301-415-7169
Date Made Active in Reports: 05/11/2021	Last EDR Contact: 07/14/2021
Number of Days to Update: 61	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 09/03/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/31/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/06/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/22/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/20/2021
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: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/26/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/06/2021	Telephone: 202-564-2280
Date Made Active in Reports: 06/25/2021	Last EDR Contact: 07/01/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021	Source: EPA
Date Data Arrived at EDR: 05/14/2021	Telephone: 800-385-6164
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/13/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 11/29/2021
	Data Release Frequency: Quarterly

AIRS: Permitted Sources & Emissions Listing

Current permitted sources and emissions inventory information.

Date of Government Version: 12/10/2020	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/25/2021	Telephone: 317-233-0185
Date Made Active in Reports: 03/18/2021	Last EDR Contact: 07/02/2021
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

A listing of asbestos notification site locations.

Date of Government Version: 04/21/2021	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/27/2021	Telephone: 317-233-0178
Date Made Active in Reports: 07/14/2021	Last EDR Contact: 07/20/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: Varies

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities

A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 07/10/2020	Source: Office of Indiana State Chemist
Date Data Arrived at EDR: 07/22/2020	Telephone: 765-494-0579
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 07/20/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: Varies

CFO: Confined Feeding Operations

This dataset consists of Confined Feeding Operations - i.e. A swine, chicken, turkey, beef or dairy agri-business that has large enough numbers of animals that IDEM regulates for environmental concerns, as defined by IC 13-18-10 of the Indiana Code.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/02/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 09/21/2020
Number of Days to Update: 82

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 11/19/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 16

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 04/18/2018
Number of Days to Update: 36

Source: Department of Environmental Management
Telephone: 800-988-7901
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/04/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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: 01/04/2021
Date Data Arrived at EDR: 01/05/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 72

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

IND WASTE: Industrial Waste Sites Listing

The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality.

Date of Government Version: 08/04/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 10/07/2015
Number of Days to Update: 28

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 08/30/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

IN MANIFEST: Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a treatment, storage, and disposal facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 01/02/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 63

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 06/24/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

NPDES: NPDES Permit Listing

A listing of active NPDES Permit Section facility locations.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 01/07/2021
Date Made Active in Reports: 03/18/2021
Number of Days to Update: 70

Source: Department of Environmental Management
Telephone: 317-233-0676
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

OISC: Office of Indiana State Chemist Database

Restricted use pesticide dealers and pesticide & fertilizer applicators.

Date of Government Version: 06/11/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/03/2021
Number of Days to Update: 84

Source: Office of Indiana State Chemist & Seed
Telephone: 765-494-1492
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 07/03/2019
Number of Days to Update: 61

Source: Department of Environmental Management
Telephone: 317-233-0066
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

UIC: UIC Site Listing

A listing of class II well locations

Date of Government Version: 05/21/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 83

Source: Department of Natural Resources
Telephone: 317-232-0045
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014	Source: EPA
Date Data Arrived at EDR: 01/06/2015	Telephone: 202-564-2496
Date Made Active in Reports: 05/06/2015	Last EDR Contact: 06/30/2021
Number of Days to Update: 120	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

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

Date of Government Version: 07/14/2011	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 06/30/2021
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Semi-Annually

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 Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	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 Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Management in Indiana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listing

Source: Family & Social Services Administration

Telephone: 317-232-4740

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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APPENDIX E – PROVIDED DOCUMENTATION



User Questionnaire





PHASE I ESA USER’S QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability relief and Brownfields Revitalization Act of 2001 (the “*Brownfields Amendments*”), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that “*all appropriate inquiries*” is not complete.

Please answer the following questions as completely as possible. Attach additional pages as needed.

1. Property Information.

Property Name: _____

Property Address: _____

City: _____ State: _____ Zip: _____

Property Owner Name: _____

2. Environmental Liens. Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law?

_____ Yes _____ No _____ Unknown

If yes, describe or attach details of the lien _____

3. Activity and Land Use Limitations. Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law?

_____ Yes _____ No _____ Unknown

If yes, describe or attach details of the limitations _____

4. Specialized Knowledge or Experience. As the User of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, so that you would have specialized knowledge about chemicals and processes used by this type of business?

_____ Yes _____ No

If yes, describe or attach details of your specialized knowledge or experience _____



5. **Relationship of Purchase Price to Fair Market Value of Property.** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the reduced purchase price may be related to contamination known or believed to be present at the property?

_____ Yes, I have reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ No, I have no reason to believe that the purchase price for the property has been reduced in comparison with the fair market value due to contamination known or believed to be present at the property?

_____ Not applicable. User is not involved in a purchase of the property.

6. **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 of hazardous substances or petroleum products? For example:

Do you know the past uses of the property?

_____ Yes (describe) _____

_____ No

Do you know of chemicals, hazardous substances or petroleum products that are present or once were present at the property?

_____ Yes (describe) _____

_____ No

Do you know of spills or other releases of chemicals, hazardous substances or petroleum products that have taken place at the property?

_____ Yes (describe) _____

_____ No

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

_____ Yes (describe) _____

_____ No

7. **The Degree of Obviousness of Contamination.** E1527-13 and the federal AAI rule (40 CFR 312.31) require that the Phase I ESA consider the degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. 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 (describe) _____

_____ No

8. **Availability of Previous Environmental Reports.** Are you aware of previous environmental site assessment reports, other environmental reports, documents, correspondence, etc. concerning the property and its environmental condition?

_____ Yes (please identify and provide copies, if available) _____

_____ No

Signature: _____

Name (printed): _____

Company: _____

Title: _____

Date: _____

Phase I ESA, 2017





ENVIRONMENTAL PROTECTION INDUSTRIES

GW Properties
2211 North Elston Avenue, Suite 304
Chicago, Illinois

PHASE I ENVIRONMENTAL SITE ASSESSMENT

On a Site Located at:
5505 & 5603 Grape Road
Mishawaka, Indiana



EPI Project Number #171024

February 24, 2017

Environmental Engineering • Design Build • Site Remediation • Brownfield Redevelopment • Construction Management

Corporate Office 16650 South Canal • South Holland, IL 60473 • tx 1.800.526.1788 • fax 1.708.225.1117 • office 1.708.225.1115
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1.0 SUMMARY

Environmental Protection Industries (EPI) was retained by GW Properties (client) to perform a Phase I Environmental Site Assessment (ESA) of the properties identified as 5505 and 5603 Grape Road, Mishawaka, St. Joseph County, Indiana. The subject properties are located within a commercial shopping center and are not contiguous parcels. The 5505 building is located at the southwest corner of the shopping center and the 5603 building is located at the northeast corner of the shopping center. There is a parking lot parcel that is located directly to the west of the 5603 property that is included in the assessment. The 5505 building is currently being utilized for storage of office furniture and shares a common wall with the adjacent commercial space. The 5603 building is a free-standing building and is current vacant. The 5603 building is a former health club facility. The four (4) parcels total approximately five (5) acres of land. The PINs for the subject properties are 029-1004-030202, 029-1004-030201, 029-1004-038005, and 029-1004-0307. The St. Joseph County Tax Parcel show the boundaries of the parcels inspected is included in Appendix B for review. There are no current tenant activities that would represent a threat to the subject property. The site inspection was performed on February 6, 2017.

The Phase I Environmental Site Assessment described in this report has been performed in accordance with the Standard Practice for Environmental Site Assessments as developed by the American Society for Testing & Materials (ASTM 1527-13) and in accordance with 40 CFR Part 312 - Standards and Practices for All Appropriate Inquiries (AAI). Special terms and conditions, limitations and limiting conditions are described in Section 2.0 of this report.

EPI's Phase I Environmental Site Assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

Detailed information is located in the body of the report; findings and conclusions are summarized in Section 8.0.



2.0 INTRODUCTION

2.1 Purpose

The purpose of this Phase I Environmental Assessment is to collect, identify and summarize information on any past or present recognized environmental conditions or activities at the property identified as 5505 and 5603 Grape Road, Mishawaka, St. Joseph County, Indiana, and adjoining and/or nearby properties. In addition, the purpose for conducting an Environmental Site Assessment by ASTM Standards E 1527-13 and 40 CFR Part 312 - Standards and Practices for All Appropriate Inquiries (AAI) on a parcel of commercial real estate, with respect to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), is to permit a user or potential responsible party to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA.

In part, to come under the protection of the innocent landowner defense, a user or responsible party should be able to prove that they did not know and had no reason to know or suspect that recognized environmental conditions exist or existed and that "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 40 CFR Part 312.28, was made at the time of the acquisition. The scope of services in this report conform to the ASTM Standards 1527-13 and 40 CFR Part 312 - Standards and Practices for AAI.

This assessment has been prepared to identify areas that may warrant further discussion, explanation, or investigation to fully assess the potential impacts for the parties involved with, or acquiring an interest in, the subject property.

Recognized Environmental Conditions - the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

Historical Recognized Environmental Condition (HREC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.



De Minimis Condition: A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions or controlled recognized environmental conditions.

Controlled Recognized Environmental Condition (CREC): A recognized environmental condition which involves a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority and that is subject to activity and use limitations.

2.2 Background

EPI was retained by GW Properties (client) to perform a Phase I ESA of the property identified as 5505 and 5603 Grape Road, Mishawaka, St. Joseph County, Indiana. The site inspection was performed by Mr. John Best on February 6, 2017.

2.3 Special Terms & Conditions

This Phase I Environmental Site Assessment was performed on behalf of and exclusively for the use of GW Properties (the client). The environmental assessment detailed in this report has been performed in accordance with generally accepted methods and practices of the environmental engineering profession. The scope and depth of this study are as directed, and as agreed to, by the client. All findings are based on document review, conversations, and site reconnaissance as noted in this report. EPI employed experienced and trained professionals in attempting to locate and identify hazardous materials or conditions. No term or provision of this Agreement is intended to be, or shall be, for the benefit of any person, firm, organization or corporation not a party hereto, and no such other person, firm, organization or corporation shall have any right or cause of action hereunder.

2.3.1 Third Party Beneficiaries

No term or provision of this Report is intended to be, or shall be, for the benefit of any person, firm, organization or corporation not a party hereto, and no such other person, firm, organization or corporation shall have any right or cause of action hereunder.

2.4 Limitations & Exceptions of Assessment

This assessment is subject to the limitations of the ASTM Standards and the limiting conditions listed in Section 2.5 and/or described within this report. Any reliance upon the information contained in this report by third parties beyond its intended purpose, shall be at such parties' sole risk. The contract with the Client for this project allows no third party reliance without a Limited Third Party Reliance Agreement.

This Report must be read and interpreted as a whole. The individual components of the Report are dependent upon the balance of the Report and upon the special terms and conditions,



limitations, and limiting conditions described herein, and upon the proposed Scope of Work and any written amendments accepted by EPI.

2.5 Limiting Conditions & Methodology Used

This Phase I Environmental Assessment was performed in accordance with the procedures described in the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as developed by the American Society for Testing & Materials (ASTM Standards E 1527) and 40 CFR Part 312 - Standards and Practices for All Appropriate Inquiries (AAI). The following modifications exist for this report:

Asbestos-Containing Materials (ACM)

The following limiting conditions were encountered during this assessment:

During the course of this assessment and preparation of this report FOIA requests were made. Based on the time frame for this project, as directed, and as agreed to by the Client (See Section 2.3), some or all of these requests may not have been collected at the time of report preparation. All requests not included in this report will be reviewed and all pertinent information will be forwarded to the client under cover letter when they become available or as agreed to in the scope of work. Based on the review of historical sources, there is no history of prior development and municipal and/or State/Federal records are not likely to exist for the subject property.

During this investigation, Data Gaps were identified. Data Gaps are defined as "a lack or inability to obtain information required by the standards and practices listed in Subpart C of the Act despite good faith efforts by the environmental professional. It is the opinion of EPI that the Data Gaps identified do not hinder our ability to formulate conclusions in connection with the subject property. Therefore, the Data Gaps do not represent a threat to the subject property.

Historical use information was reviewed as part of this assessment. Certain standard historical sources and intervals may be excluded from review as described in Section 7.3.2.3 (Data Failure) and 7.3.2.1 (Intervals) of the ASTM Standard. The historical information presented has been collected within the time constraints of the project and is considered reasonably ascertainable.

The purpose of this study is to identify recognized environmental conditions. This report is not intended to represent an exhaustive research of all potential environmental concerns which may exist at the subject property and does not purport to be representative of future conditions or events. Subsequent activities or events at the subject or surrounding properties resulting in adverse environmental impacts or recognized environmental conditions are not to be considered relevant to this study.

Methodology:

Prior to the site inspection, state and federal database listings and records were reviewed to identify any recognized environmental conditions on the subject property or the surrounding



properties. The site inspection consisted of a grid-like inspection of the exterior portions of the subject property and an inspection of the interior of the site buildings. An inspection of the remaining portion of the subject property was conducted and characteristics of the surrounding area were also noted at this time.



3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The subject properties are identified as 5505 and 5603 Grape Road, Mishawaka, St. Joseph County, Indiana. The subject property consists four (4) individual parcels of land that total approximately 5 acres of land. The PINs for the subject are 029-1004-030202, 029-1004-030201, 029-1004-038005, and 029-1004-0307. The St. Joseph County Tax Parcel show the boundaries of the parcels inspected is included in Appendix B for review.

3.2 Site Description and Vicinity Characteristics

The subject property and adjoining properties are located in a commercial and residential area. The subject properties are located within a commercial shopping center and are not contiguous parcels.

5505 Grape Road - 029-1004-030202

The 5505 building is located at the southwest corner of the shopping center property and shares a common wall with the north adjacent commercial space. The site building consists of approximately 14,500 square feet of floor space and is divided into a large open retail area and a small rear storage area. The interior of the building is completely full of used office furniture. The interior finishes consist of floor tile, drywall and ceiling tile. This portion of the subject property is a rectangular shaped parcel of land and totals approximately 2.1 acres of land. The areas to the south and east of the building are asphalt paved parking/driveway areas. The area to the west of the building is includes a grass covered area and asphalt parking.

5603 Grape Road - 029-1004-0307, 029-1004-030201 & 029-1004-038005

The 5603 building is located at the northeast corner of the shopping center. There is a parking lot parcel that is located directly to the west of the 5603 property that is included in the assessment. The 5603 building is a free-standing building and is current vacant. This building is a former health club and is divided into a blow grade pool, locker rooms and large open areas. The building is masonry and metal frame construction, built on a slab foundation. The areas to the west and south of the building are asphalt paved parking lots.

Photographs of the subject property and surrounding properties are provided in Appendix A for review.

3.3 Current Uses of the Subject Property

The subject properties are developed with two commercial buildings. The 5505 building is currently utilized for storage of used office furniture and the 5603 building is currently



unoccupied. There are no current site activities that would represent a threat to the subject property.

3.4 Current Uses of Adjoining Properties

The subject properties located just north of the intersection of Douglas Road and Grape Road. The area to the north of the northeast portion of the subject property is occupied by Discount Tire. The area to the north of the northwest portion of site and to the west is the University Park Apartment complex. The building that shares a common wall with the 5505 building is occupied by ABC Warehouse, discount electronics and appliance store. The property located to the south is occupied by Strikes and Spares Entertainment Center (bowling). The area to the east, across Grape Road, is a large commercial shopping center anchored by Hobby Lobby. There are no nearby or adjacent properties that would represent a concern in connection with the subject property.



4.0 USER PROVIDED INFORMATION

4.1 Property Title Records

A Chain of Title report was not prepared for the subject property.

4.2 Environmental Liens and Use Limitations

There are no known or reported environmental liens or activity and no use limitation for the subject property.

4.3 Specialized Knowledge

None reported to EPI.

4.4 Commonly Known or Reasonable Ascertainable Information

None reported to EPI

4.5 Valuation Reduction for Environmental Issues

There is no known reduction in the value of the property due to environmental issues.

4.6 Owner, Property Manager, and Occupant Information

EPI was provided access into the site buildings by Mr. Tim Mehall, Vice President, Newmark Grubb Cressy & Everett. Mr. Mehall is the owner representative for the subject properties. Mr. Mehall provided historical information regarding the subject properties.

4.7 Reason for Performing Phase I

The purpose for conducting an Environmental Site Assessment by ASTM Standards E 1527-13 and 40 CFR Part 312 - Standards and Practices for All Appropriate Inquiries (AAI) on a parcel of commercial real estate, with respect to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), is to permit a user or potential responsible party to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA.

4.8 Other

No other reasons in addition to the above described were given by the client for conducting the Phase I ESA.



5.0 RECORDS REVIEW

Phase I ESA include a search of public records and databases provided by State and Federal regulatory agencies to determine the regulatory status of the subject property and sites located within the search distances specified according to the ASTM Standard Practice for Environmental Site Assessments. The database search (EDR Database Report) exceeds the ASTM recommended search distances, in some cases; however, only the sites identified within the ASTM recommended search distances are discussed, unless otherwise described.

EPI personnel reviewed standard historical sources to determine the prior usage of the subject property and the adjoining properties. This review included historical aerial photographs, fire insurance maps, property title records, USGS 7.5 minute topographic maps, and building permits. The following sections describe EPI's review of the standard historical sources available for the subject property.

5.1.1 National Priorities List (NPL)

The National Priorities List identifies and ranks targets for long-term remedial action pursuant to the Comprehensive Environmental Response, Compensation & Liability Act (CERCLA), 42 USC 9605(a)(8)(b), which was enacted to initiate the cleanup of hazardous waste sites with the highest priority for cleanup pursuant to United States Environmental Protection Agency (USEPA) Hazard Ranking System. Factors taken into consideration prior to assignment of national priority status include the type and quantities of wastes involved, potential for human exposure, pathways of exposure, and the importance of the underlying supply of groundwater.

EPI personnel reviewed the most recent USEPA National Priority List of sites.

- There is one (1) NPL site located within a one-mile radius of the subject property.

The site is listed as Douglas Road/Uniroyal Landfill, located to the west of the subject property over 350 feet. The properties between this NPL site and the subject property include the University Apartments complex and a railroad easement. Based on our review of a Sampling and Analysis Plan prepared by Keramida for the Indian Department of Environmental Management, the contamination is not migrating in the direction of the subject property. The soil contamination is limited to this property and the groundwater flow has been documented to be in a southwest to west direction (away from the subject property). Based on the fact that this is being actively investigated/monitored by the Responsible Party and based on the data reviewed, it is the opinion of EPI that this site is not a recognized environmental condition in connection with the subject property. The Keramida Sampling Plan is presented in Appendix D for review.

5.1.2 Comprehensive Environmental Response, Compensation & Liability Act

CERCLA and related amendments (the Superfund Amendments and Re-authorization Act - SARA) were enacted to initiate the cleanup of hazardous waste sites for which responsible



parties could not be found. The Comprehensive Environmental Response, Compensation Liability Information System (CERCLIS) is a list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substances contamination for possible inclusion on the NPL.

EPI personnel reviewed the most recent CERCLIS database for facilities placed on the CERCLIS list under the USEPA Superfund Program and the most recent State equivalent of the CERCLIS list (SHWS). In addition, EPI reviewed the current Site Remediation Program database for sites/facilities currently entered into the Indiana VCP program, a voluntary cleanup program.

- There are no SHWS sites found to be listed within a one-half mile radius of the subject property.
- There is one (1) CERCLIS site listed within a one-half mile radius of the subject property
- There are no CERC-NFRAP sites listed within a one-half mile radius of the subject property.
- There are no VCP sites listed within a one-mile radius of the subject property.

The site is listed as Douglas Road/Uniroyal Landfill, located to the west of the subject property over 350 feet. The properties between this NPL site and the subject property include the University Apartments complex and a railroad easement. Based on our review of a Sampling and Analysis Plan prepared by Keramida for the Indian Department of Environmental Management, the contamination is not migrating in the direction of the subject property. The soil contamination is limited to this property and the groundwater flow has been documented to be in a southwest to west direction (away from the subject property). Based on the fact that this is being actively investigated/monitored by the Responsible Party and based on the data reviewed, it is the opinion of EPI that this site is not a recognized environmental condition in connection with the subject property. The Keramida Sampling Plan is presented in Appendix D for review.

5.1.3 Resource Conservation & Recovery Act (Generators List)

Federal and State programs which regulate the land disposal of waste materials and the recovery of materials and energy resources from the waste stream were implemented under the Resource Conservation and Recovery Act (RCRA) in 1976. RCRA generators are grouped into categories based on the amounts of hazardous wastes that are generated and the length of time these wastes are stored at the facilities.

EPI personnel reviewed the most recent database for facilities placed on the RCRIS list of hazardous waste generators (> 1000 Kg/month) and small quantity generators (100-1000 Kg/month). The records were reviewed for RCRA generators operating within 1/8 mile of the subject property. Per ASTM, generators on or directly adjacent to the subject property have been identified, unless otherwise noted.



- There no RCRA sites identified near the subject property.

5.1.4 Resource Conservation & Recovery Act (Treatment, Storage, Disposal Facilities)

The RCRA Program tracks hazardous waste from generation to disposal at a RCRA permitted treatment, storage or disposal (TSD) facility. RCRA-permitted TSD facilities must report on the generation, treatment, storage, and disposal of RCRA hazardous wastes defined under 40 CFR 261. The EPA maintains a database of RCRA facilities which are undergoing "corrective action" pursuant to violations of the act and releases of hazardous substances or wastes into the environment (CORRACTS).

EPI personnel reviewed the most recent RCRIS list for TSD facilities within 1/2 mile of the subject property and the CORRACTS database for sites within one mile.

- There are no RCRA treatment, storage, or disposal (TSD) facilities located within 1/2-mile radius of the subject property.
- There are no CORRACTS listings found within one mile from the subject property.

5.1.5 State Landfill/Solid Waste Disposal Site Lists

The Indiana Department of Environmental Management (IDEM) maintains a database of solid waste landfills, incinerators, recyclers, municipal waste transfer stations, Special Waste Site List of solid waste landfills, and composting sites located within the State of Indiana. EPI reviewed the most recent database information regarding SWLF and SHWS sites in the area of the subject property.

- There are no Open Dump, SWF/LF and/or SHWS sites listed within a one mile radius of the subject property.

5.1.6 Registered Underground Storage Tanks

Underground and aboveground storage tanks are an environmental concern when tank product leakage or spillage occurs. The USEPA estimates that there are three million underground storage tanks in the United States, 35% of which are estimated to be presently leaking. Leaking or overfilled tanks which contaminate the surrounding soils and/or groundwater can represent a substantial environmental liability for site owners/operators.

IDEM issues permits for tank removal, installation, or repair and supervises the clean-up of releases of petroleum products from UST's. EPI personnel reviewed the most recent IDEM UST database information to identify registered USTs on the subject and adjoining properties.

- The UST registration records database published by the IDEM indicated that underground storage tanks are not currently registered to the subject property or the directly adjoin properties.



5.1.7 State Leaking Underground Storage Tanks

The State of Indiana maintains a database of reported Leaking Underground Storage Tank (LUST). EPI personnel reviewed the most recent IDEM database listings for information on sites within 1/2 mile of the subject property.

- There are no LUST sites identified within the 1/2-mile search radius.

5.1.8 Emergency Response Notification System (ERNS)

The Emergency Response Notification System is a national database of information on reported releases of oil and hazardous substances reported to the EPA, US Coast Guard, the National Response Center, and the Department of Transportation. The database contains information on reported spills. EPI personnel reviewed the most recent ERNS database listing.

- The subject property was not identified, and there were no sites listed within a 1/8-mile radius of the subject site.

5.1.9 Unmapped Sites

The Database Report includes a list of facilities that could not be properly located or mapped due to inadequate or incorrect address information. EPI reviewed this list and the available information in the database, contacted the City and consulted local street directories to determine the relative proximity of these sites in relation to the subject property.

- There are two (2) unmapped site listed in the database.

Based on the address information provided in the database report, EPI has determined that the unmapped sites are not considered to be recognized environmental conditions in connection with the subject property.

5.2 Additional Environmental Records Sources

A Freedom of Information Act (FOIA) request was submitted to the City of Mishawaka for the subject property. No relevant information was provided at the time this report was prepared.

EPI accessed the IDEM Virtual File Cabinet (VFC) provided on the IDEM webpage. There are no files for the subject property addresses and the subject property is not listed in any of the databases searched by EDR.

5.3 Physical Settings

The following sections provide information about the natural physical characteristics of the subject area. The information presented was obtained from United States Geological Survey (USGS) 7.5-minute topographical maps, geologic maps and reports, soil maps and reports, floodplain maps and wetland maps.



5.3.1 Topography and Terrain

The subject property is located in a relatively flat area. Elevation in the area is approximately 750 feet above mean sea level (MSL), according to the USGS 7.5 minute, South Bend East, IN Quadrangle, topographical map.

5.3.2 Flood Zone/Wetlands

Review of the Flood Insurance Rate Map published by the Federal Emergency Management Agency (FEMA) indicates that the majority of the subject property and immediate vicinity are located within Zone X, an area of minimal flooding. The FEMA map is presented in Appendix B for review.

5.3.3 Geology and Hydrogeology

According to the EDR Report, the subject property is mapped in an area consisting of Ormas, loamy sand soils. These soils have moderate infiltration rates, are deep to moderately deep, well drained soils with coarse textures.

5.4 Historical Use Information

Based on historical sources reviewed, the subject property and surrounding area was agricultural and prior to development. The eastern portion of the site, along Grape Road, was developed with a farmstead from 1960 to 1977. The subject property and shopping center property was graded for development starting around 1980. The 5603 building was constructed sometime around 1981 and the 5505 building was constructed sometime prior to 1986. The 5603 building was built as a health club and the tenants of the 5505 building included New York Carpet World and Bargain Books.

5.4.1 Aerial Photographs

Aerial photographs of the subject property were reviewed for the years 1960, 1967, 1973, 1977, 1980, 1986, 1998, 2005, 2006, 2007, 2008, 2010 and 2012. The 1960 through 1977 aerials show the eastern portion of the subject property to be developed with a farmstead with a dwelling and several barn structures. The surrounding areas are either developed with dwellings or agricultural land. The 1980 aerial shows the subject property and surrounding shopping center parcel to be graded for development. The foundation for the 5603 building appears at the northeast corner of the site. The 1986 aerial shows the subject and surrounding properties to the north, south and west to appear very similar to the current conditions. The area to the east is agricultural land. The 1998 through 2012 show the subject property and surrounding properties to appear similar to the current conditions.

The aerial photographs are provided in Appendix C for review.



5.4.2 Fire Insurance Maps

Fire Insurance Maps are detailed sketches of property use, structures, and fire protection for developed properties produced by the Sanborn Company for the insurance industry. These maps are produced every few years and can be relied upon for historical information. Sanborn Maps were not provided for the subject property area.

5.4.3 City Directories

Business directories including city, cross reference and telephone directories were reviewed at approximate five year intervals (where available) for 1969 to 2013. The subject property is listed as being occupied by Fitness US Super Center, Bargain Books and New York Carpet World.



6.0 SITE RECONNAISSANCE

6.1 Hazardous and Non-Hazardous Waste

EPI personnel inspected the subject property for evidence of hazardous substances being generated, stored, or disposed of on the subject property. Substances observed on the subject property are evaluated according to provisions set forth by the Resource Conservation and Recovery Act (RCRA).

RCRA regulated hazardous waste is not currently generated on the subject property.

EPI inspected the north, south, east, and west boundaries of the subject property for signs of hazardous waste, dumping, uncontrolled discharges, or stains. No signs of hazardous waste, dumping, uncontrolled discharges, or stains were observed on or around the subject property.

6.2 Hazardous Substances, Storage Areas and Spills

No hazardous substance, storage areas, or spills were observed on the subject or adjoining properties. The interior of the site building was found in a neat and clean condition.

6.3 Storage Tanks

The subject property and adjoining properties were inspected for visual evidence of storage tank emplacements, such as vent pipes, fill pipes, fill caps, service pumps, or other equipment which may indicate the presence of storage tanks.

6.3.1 Underground Storage Tanks (USTs)

There was no visual evidence that USTs exist or existed on the subject property.

The properties which directly adjoin the subject property were inspected for visual evidence of storage tank emplacements. No evidence of underground storage tanks was observed on the properties which directly adjoin the subject property.

6.3.2 Aboveground Storage Tanks (ASTs)

There was no visual evidence that ASTs exist or existed on the subject property.

The properties which directly adjoin the subject property were inspected for visual evidence of storage tank emplacements. No evidence of aboveground storage tanks was observed on the properties which directly adjoin the subject property.



6.4 Water and Wastewater Discharges

County tax records indicate that Potable water for the area including the subject property is supplied by the City of Mishawaka Water Department through Indiana American Water. The property is connected to the city sewer system.

There are no industrial or process wastewater discharges associated with the subject property.

6.5 Air Emissions

The Clean Air Act of 1970, which amended the Air Quality Act of 1967, was established "to protect and enhance the quality of the Nation's air resources so as to promote public health and welfare and the productive capacity of its population." Since 1970, the basic act has been significantly amended to reflect national concern over air quality.

There are no processes in operation on the subject property that require air emission permits.

6.6 Toxic Substances

6.6.1 Polychlorinated Biphenyls (PCBs)

PCBs are strictly controlled by the Toxic Substance Control Act (TSCA) of 1980. TSCA is charged with regulating the manufacture of substances considered toxic and harmful to health and the environment. Although banned from U.S. production in 1979, PCBs were previously incorporated into transformer and switchgear oil as insulators, and may also be present in hydraulic and recycled lubricating oils.

There is no history of the use of PCB-containing equipment on the subject property. There are two (2) pad-mounted transformers located on the subject property or near the subject property. These transformers are the responsibility of the local utility company and do not represent a concern to the subject property.



7.0 INTERVIEWS

7.1 Interview with Owner

EPI was provided access into the site buildings by Mr. Tim Mehall, Vice President, Newmark Grubb Cressy & Everett. Mr. Mehall is the owner representative for the subject properties. Mr. Mehall provided historical information regarding the subject properties.

7.2 Interview with Others

No other interviews were deemed warranted.



8.0 FINDINGS & CONCLUSIONS

EPI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standards 1527-13 and 40 CFR Part 312 - Standards and Practices for AAI for Environmental Site Assessments of the building and property identified as 5505 and 5603 Grape Road, Mishawaka, St. Joseph County, Indiana. Any exceptions to, or deletions from, these practices are described in Section 2.0 of this report.

8.1 Opinions

EPI's Phase I Environmental Site Assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

8.2 Conclusions

Based on the information described herein, it is the opinion of EPI that additional investigation is not warranted at this time.

8.3 Deviations

There were no deletions or deviations in the conduct of this Phase I ESA. The client did not impose constraints that would result in any deletions, deviations or additions to the practice as outlined in ASTM 1527-13.

8.4 Additional Services

No additional services were provided.

The issues and/or recognized environmental conditions are listed and/or identified in this report in order to identify areas that may warrant further discussion, explanation, or investigation to fully assess the potential impacts for the parties involved with, or acquiring an interest in, the subject property. It should be noted that the identification of recognized environmental conditions, is not, necessarily, an indication that environmental problems exist on the subject property. Other items identified in the body of this report, which may not be listed here, may also be of interest in light of a given transaction. As such, this report should be read and interpreted as a whole.



9.0 REPORT SIGNATURES

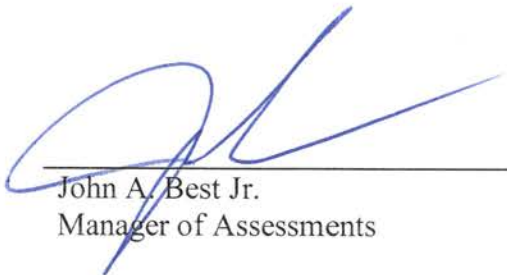
This Phase I Environmental Assessment was performed and prepared by EPI for the benefit of the Client. The primary environmental professionals responsible for this report are listed below.

The environmental professional(s) who prepared this report affirm that the facts stated in this report are true and made under a penalty of perjury as defined in Section 32-2 of the Criminal Code of 1961.

The undersigned have no present or prospective interest in the Property or parties involved.

This Assessment has been performed in conformance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and the specific requirements of the Client.

"I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in 312.10 of 40 CFR 312" and "I have specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312."



John A. Best Jr.
Manager of Assessments



Date



10.0 APPENDICES

A. Site Photographs

B. Geographical Sources and Site Information

- i. USGS 7.5" Topographical Map**
- ii. St. Joseph County Tax Maps**
- iii. FEMA Map**
- iv. EDR Database Report**

C. Historical Sources

- i. Aerial Photographs**
- ii. Sanborn Fire Insurance Maps**
- iii. City Directories**

D. Freedom of Information Act (FOIA)

- i. City of Mishawaka**
- ii. Indiana Department of Environmental Management (IDEM)**

E. Disclaimer

F. Resumes



A. Site Photographs



5603 Subject Property as Viewed from the Northeast



5603 Subject Property North Border as Viewed from the East



Typical Pad-Mounted Transformer



5603 Subject Property as Viewed from the West



5505 Subject Property as Viewed from the East



5505 Subject Property as Viewed from the West



Interior View of the 5603 Subject Property



Interior View of the 5603 Subject Property



Interior View of the 5505 Subject Property



Interior View of the 5505 Subject Property



Area to the South of the Subject Property



Area to the West of the Subject Property



Area to the North of the Subject Property

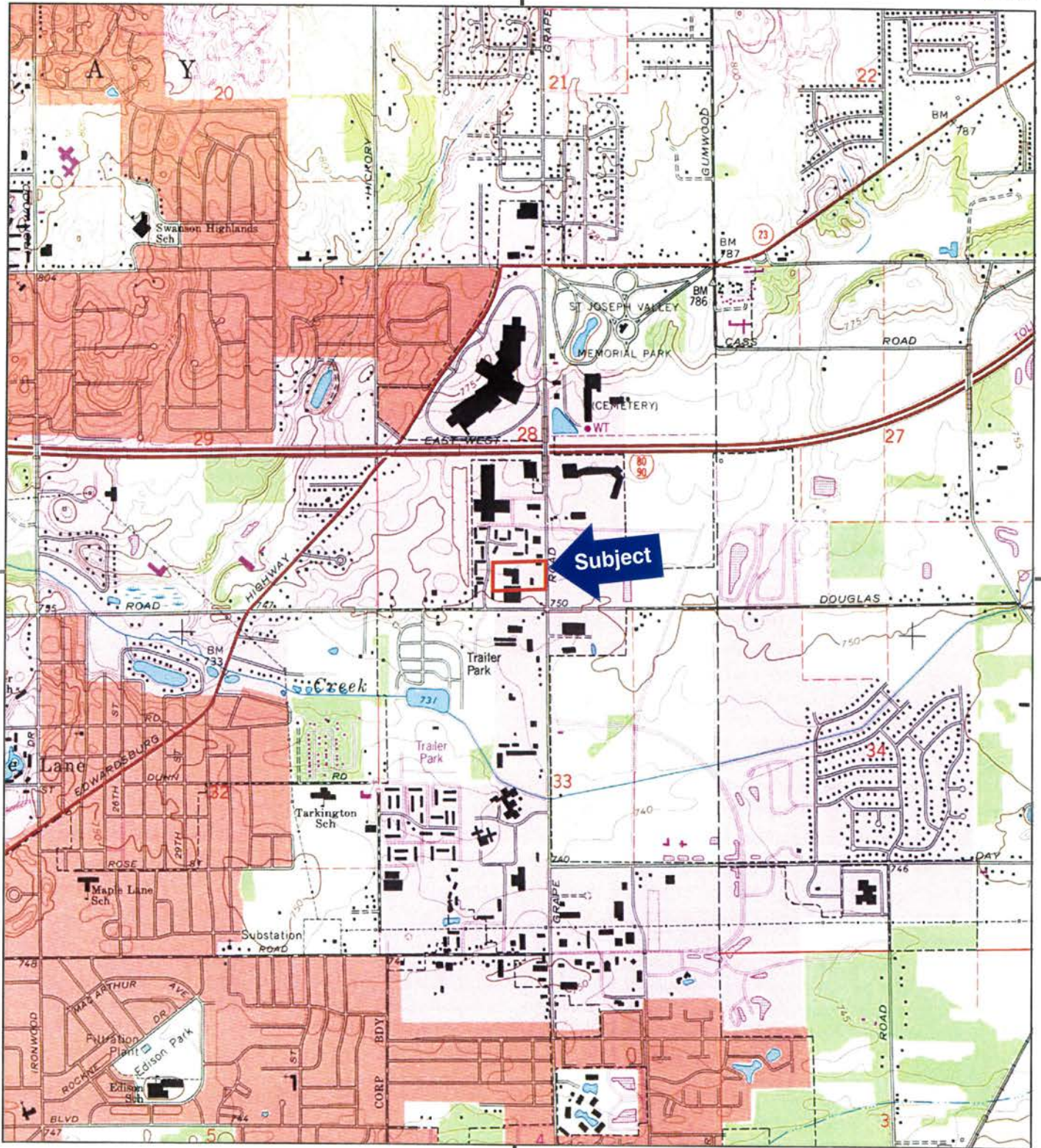


Area to the East of the Subject Property

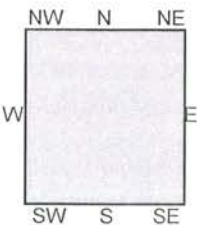


B. Geographical Sources and Site Information

- i. USGS 7.5" Topographical Map**
- ii. St. Joseph County Tax Map**
- iii. FEMA Map**
- iv. EDR Database Report**



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



TP, South Bend East, 1995, 7.5-minute

SITE NAME: 5603 Grape Road
ADDRESS: 5603 Grape Road
Mishawaka, IN 46545
CLIENT: Environmental Protection Ind.



St. Joseph County

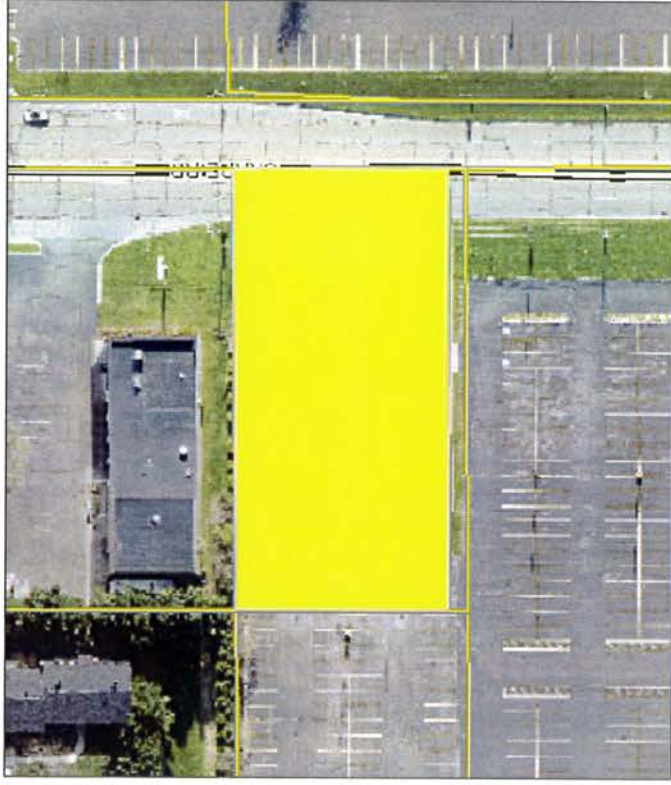
Property Information

Subject Property: 5603 GRAPE, MISHAWAKA 46545
Parcel ID: 029-1004-0307
State ID: 71-04-28-376-010.000-005
Owner(s): NATIONAL CREDIT CORP OF EASTERN MICHIGAN %
 SLENDERFORM/UNIVERSAL HEALTH SPAS
Mailing Address: 7091 Orchard Lake Rd Ste 300 , West Bloomfield MI 48322
APC Zoning: COMMERCIAL
Township: MISH Clay
Municipality: MISHAWAKA
Tax District: MISH Clay

Property Assessment Information

Land Value: \$104,500.00
Improved Value: \$206,300.00
Assessed Year: 2018
Acres: 0.79

Legal Description: 224'E&W X 130.05'N&S Beg 632' N Of Se Corner Sw Sec 28-38-3e



Not to Scale

**NO IMAGES AVAILABLE
FOR THIS PROPERTY**

Information shown on this map is not warranted for accuracy or merchantability. Reproduction or distribution of this material is not authorized.

Date Printed: February 2, 2017



St. Joseph County

Property Information

Subject Property: 5603 GRAPE, MISHAWAKA 46545
Parcel ID: 029-1004-030201
State ID: 71-04-28-376-002.000-005
Owner(s): NATIONAL CREDIT CORP OF EASTERN MICHIGAN %
 SLENDERFORM/UNIVERSAL HEALTH SPAS
Mailing Address: 7091 Orchard Lake Rd Ste 300, West Bloomfield MI 48322
APC Zoning: COMMERCIAL
Township: MISH Clay
Municipality: MISHAWAKA
Tax District: MISH Clay

Property Assessment Information

Land Value: \$82,900.00
Improved Value: \$11,800.00
Assessed Year: 2018
Acres: 1.43
Legal Description: 140' N & S X 447' E & W Beg 622.5' N & 264' W Of Se Cor E Sw 1/4
 Sec 28-38-3e



Not to Scale

**NO IMAGES AVAILABLE
FOR THIS PROPERTY**

Information shown on this map is not warranted for accuracy or merchantability. Reproduction or distribution of this material is not authorized.



St. Joseph County

Property Information

Subject Property: 5603 GRAPE, MISHAWAKA 46545
Parcel ID: 029-1004-038005
State ID: 71-04-28-376-011.000-005
Owner(s): NATIONAL CREDIT CORP OF EASTERN MICHIGAN %
 SLENDERFORM/UNIVERSAL HEALTH SPAS
Mailing Address: 7091 Orchard Lake Rd Ste 300 , West Bloomfield MI 48322
APC Zoning: COMMERCIAL
Township: MISH Clay
Municipality: MISHAWAKA
Tax District: MISH Clay

Property Assessment Information

Land Value: \$19,500.00
Improved Value: \$0.00
Assessed Year: 2018
Acres: 0.07

Legal Description: 224E&W X 9.5'N&S Beg 622.5' N Of Se Corner Sw Sec 28-38-3e
 Annexed From 2-2018-038005



Not to Scale

**NO IMAGES AVAILABLE
FOR THIS PROPERTY**

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Date Printed: February 2, 2017

St. Joseph County

Property Information

Subject Property: 5505 GRAPE, MISHAWAKA 46545

Parcel ID: 029-1004-030202

State ID: 71-04-28-376-004.000-005

Owner(s): BARGAIN BOOK H & THE VANDERGoot FAMILY LLC

Mailing Address: 3030 29th St Se, Grand Rapids MI 49512

APC Zoning: COMMERCIAL

Township: MISH Clay

Municipality: MISHAWAKA

Tax District: MISH Clay

Property Assessment Information

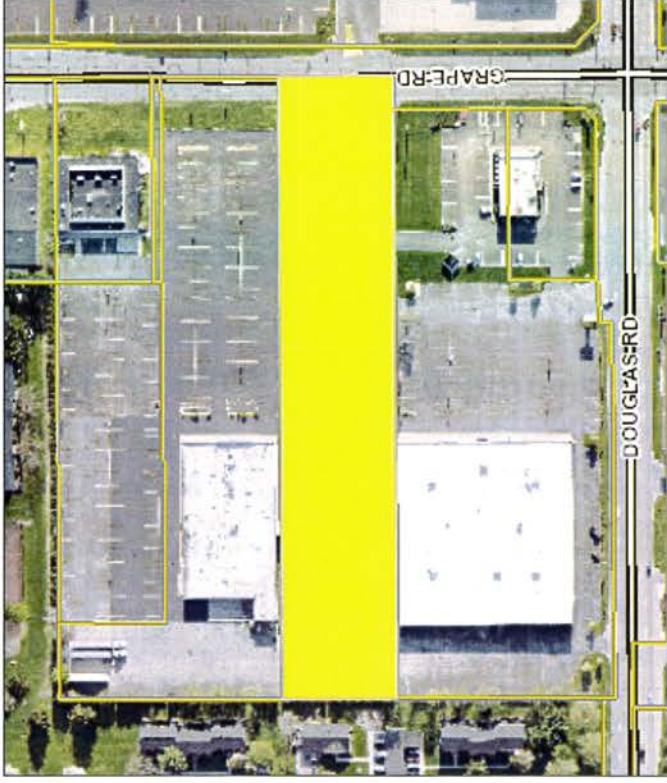
Land Value: \$182,700.00

Improved Value: \$355,800.00

Assessed Year: 2018

Acres: 2.77

Legal Description: 2.81 Ac Tract 811' E&W X 151' N&S Beg 315' N Of Se Corner Sw Sec 28-38-3e

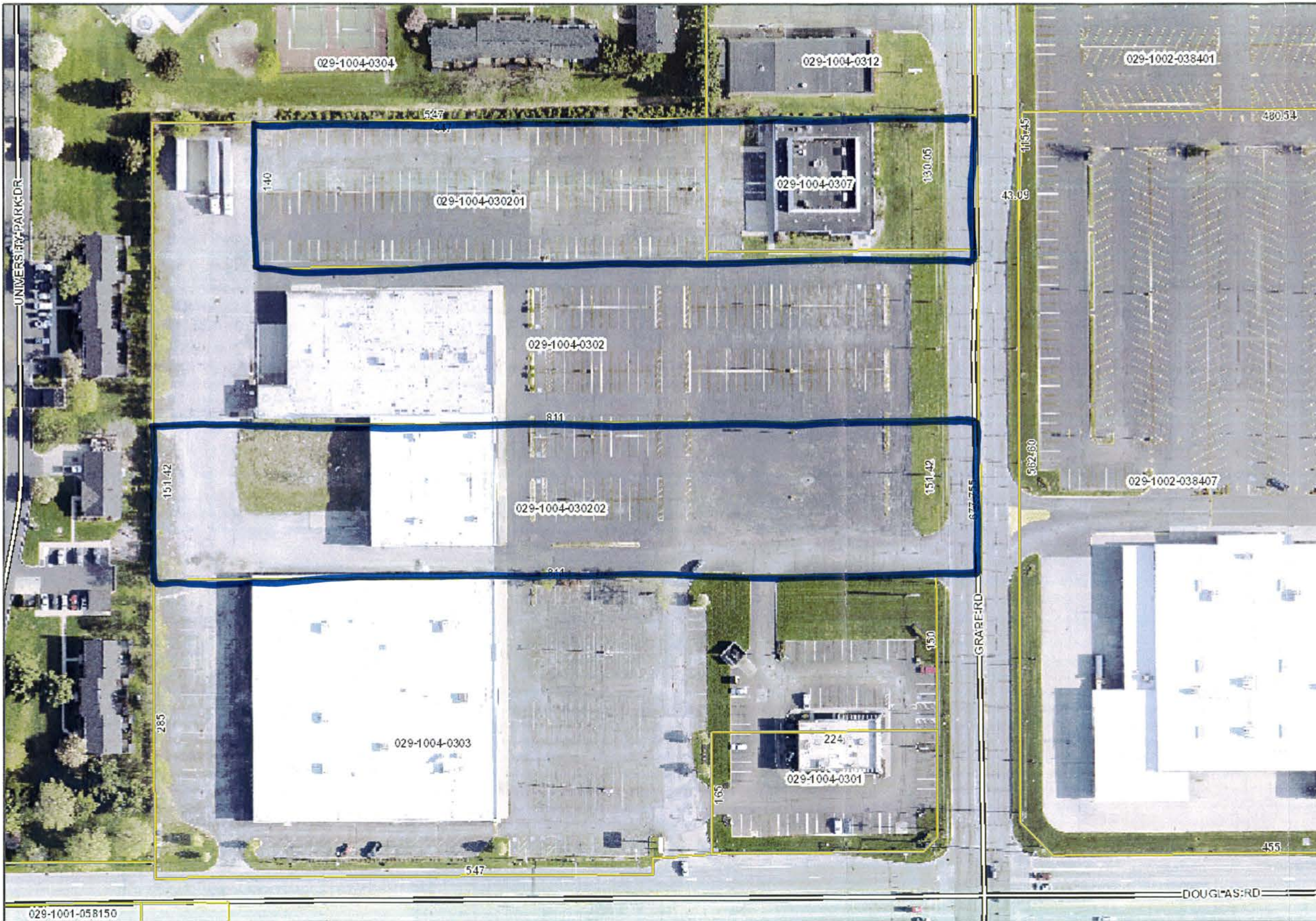


Not to Scale

**NO IMAGES AVAILABLE
FOR THIS PROPERTY**

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St. Joseph County Tax Map

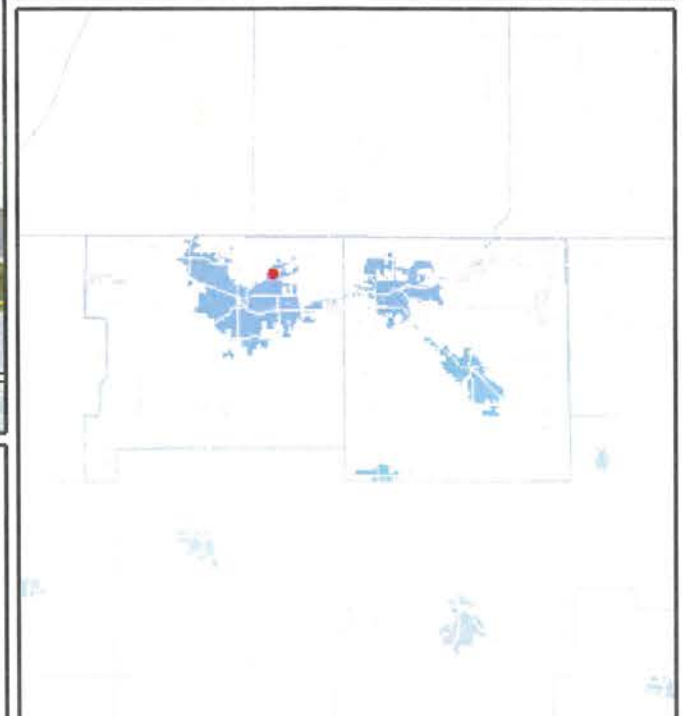
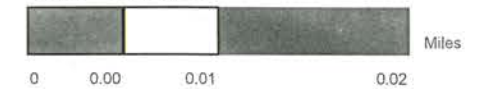
txtSubTitle

Legend

- SJC Parcel Dimensions
- SJC Parcels
- SJC Street



1 inch = 99.92 feet



Date Printed: 2/2/2017
 Map Generated By: Public

Coordinate grid is based on Indiana East State Plane Coordinate System 1983 North American Datum.

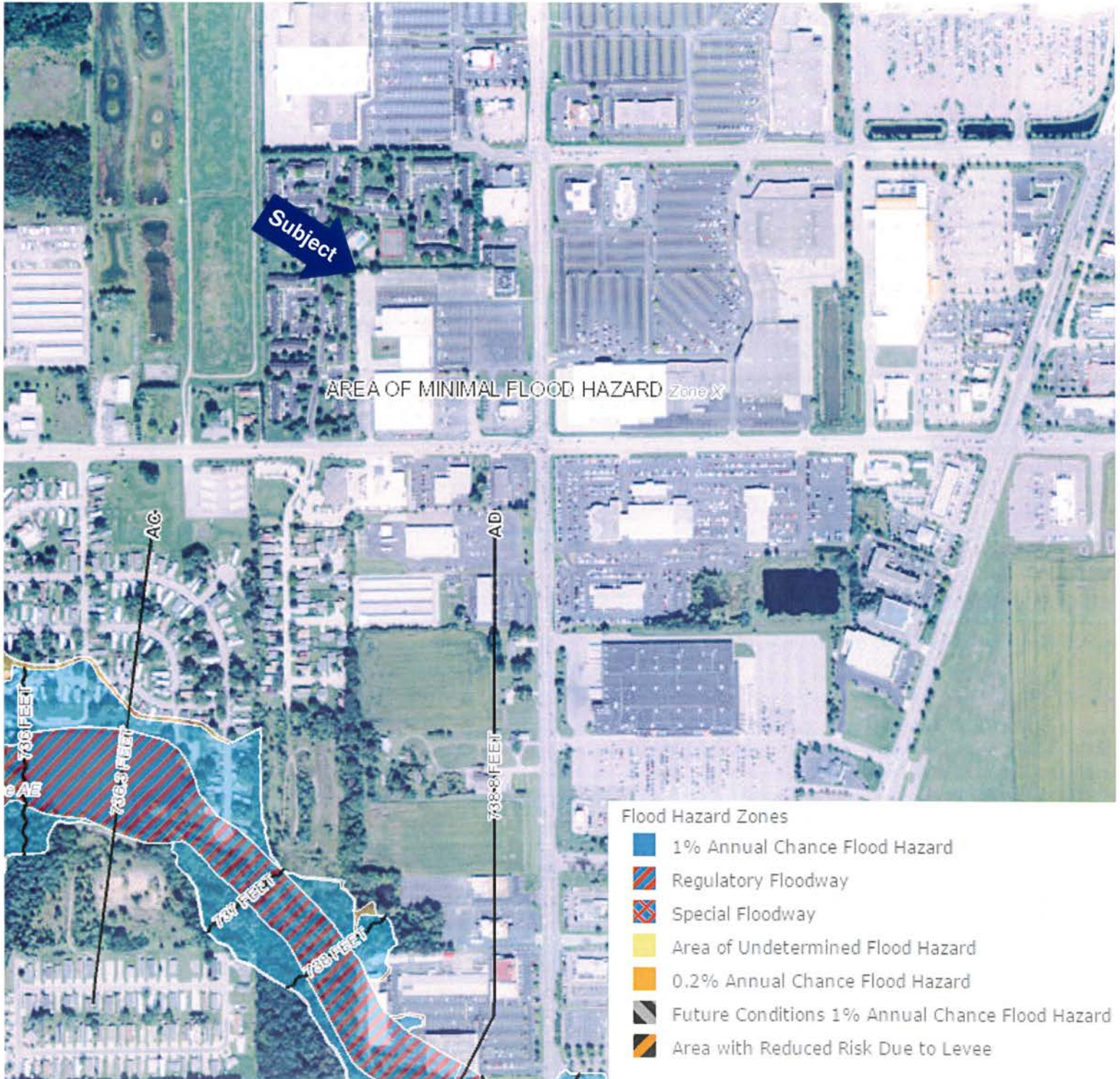
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ENVIRONMENTAL PROTECTION INDUSTRIES

FEMA MAP



Environmental Engineering • Assessment • Remediation • Brownfield Redevelopment • Grant Assistance

Corporate Office 16650 South Canal • South Holland, IL 60473 • tx 1.800.526.1788 • fax 1.708.225.1117 • office 1.708.225.1115
website: www.environmental-epi.com

MAP FINDINGS SUMMARY

Table with columns: Database, Search Status, Property, Status, and Total Found. Includes entries for EDR Alternative Records and EDR MGP.

MAP FINDINGS SUMMARY

Table with columns: Database, Search Status, Property, Status, and Total Found. Includes entries for EDR Alternative Records and EDR MGP.

NOTES:
TP = Target Property
NR = Not Registered at this Search Distance
State may be listed in more than one database

MAP FINDINGS SUMMARY

Table with columns: Database, Search Status, Property, Status, and Total Found. Includes entries for EDR Alternative Records and EDR MGP.

NOTES:
TP = Target Property
NR = Not Registered at this Search Distance
State may be listed in more than one database

Map ID, Database, Location, Site, MAP FINDINGS, EDR ID Number, LPA ID Number

DOUGLASS ROAD/INDUSTRIAL INC. LANDFILL (Continued)
Substance ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
MPL Status: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1

Map ID, Database, Location, Site, MAP FINDINGS, EDR ID Number, LPA ID Number

DOUGLASS ROAD/INDUSTRIAL INC. LANDFILL (Continued)
Substance ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
MPL Status: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1

Map ID, Database, Location, Site, MAP FINDINGS, EDR ID Number, LPA ID Number

DOUGLASS ROAD/INDUSTRIAL INC. LANDFILL (Continued)
Substance ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
MPL Status: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1

Map ID, Database, Location, Site, MAP FINDINGS, EDR ID Number, LPA ID Number

DOUGLASS ROAD/INDUSTRIAL INC. LANDFILL (Continued)
Substance ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1
MPL Status: 1
Business ID: 1029
CAS #: 100-28-1
Priority: 1
Scoring: 1

DOUGLAS ROADMATERIAL, INC. LANDFILL (Continued)

Site: 99022648

Map ID: 99022648
 Division: 25
 LUN ID Number: 99022648
 LUN ID Number: 99022648
 MAP FININGS

Site: 99022648

Map ID: 99022648
 Division: 25
 LUN ID Number: 99022648
 LUN ID Number: 99022648
 MAP FININGS

Site: 99022648

Map ID: 99022648
 Division: 25
 LUN ID Number: 99022648
 LUN ID Number: 99022648
 MAP FININGS

Site: 99022648

Map ID: 99022648
 Division: 25
 LUN ID Number: 99022648
 LUN ID Number: 99022648
 MAP FININGS

DOUGLAS ROADMATERIAL, INC. LANDFILL (Continued)

Site: 99022649

Map ID: 99022649
 Division: 25
 LUN ID Number: 99022649
 LUN ID Number: 99022649
 MAP FININGS

Site: 99022649

Map ID: 99022649
 Division: 25
 LUN ID Number: 99022649
 LUN ID Number: 99022649
 MAP FININGS

Site: 99022649

Map ID: 99022649
 Division: 25
 LUN ID Number: 99022649
 LUN ID Number: 99022649
 MAP FININGS

Site: 99022649

Map ID: 99022649
 Division: 25
 LUN ID Number: 99022649
 LUN ID Number: 99022649
 MAP FININGS

DOUGLAS ROADMATERIAL, INC. LANDFILL (Continued)

Site: 99022650

Map ID: 99022650
 Division: 25
 LUN ID Number: 99022650
 LUN ID Number: 99022650
 MAP FININGS

Site: 99022650

Map ID: 99022650
 Division: 25
 LUN ID Number: 99022650
 LUN ID Number: 99022650
 MAP FININGS

Site: 99022650

Map ID: 99022650
 Division: 25
 LUN ID Number: 99022650
 LUN ID Number: 99022650
 MAP FININGS

Site: 99022650

Map ID: 99022650
 Division: 25
 LUN ID Number: 99022650
 LUN ID Number: 99022650
 MAP FININGS

DOUGLAS ROADMATERIAL, INC. LANDFILL (Continued)

Site: 99022651

Map ID: 99022651
 Division: 25
 LUN ID Number: 99022651
 LUN ID Number: 99022651
 MAP FININGS

Site: 99022651

Map ID: 99022651
 Division: 25
 LUN ID Number: 99022651
 LUN ID Number: 99022651
 MAP FININGS

Site: 99022651

Map ID: 99022651
 Division: 25
 LUN ID Number: 99022651
 LUN ID Number: 99022651
 MAP FININGS

Site: 99022651

Map ID: 99022651
 Division: 25
 LUN ID Number: 99022651
 LUN ID Number: 99022651
 MAP FININGS

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 7 ELVEN BAY (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 7 ELVEN BAY (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

Table with 4 columns: Map ID, Division, Location, and Description. Contains details for 8081 ROAD LINDALE (Continued) including environmental impact statements and site characteristics.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydro: Stable, Unflowing
 Contaminant Potential - Uncontaminated Shale: Not Reported
 Depth to Bedrock Mitc: > 0 inches
 Depth to Water-table Mitc: > 0 inches
 No Layer Information available.

Soil Map ID: 8
 Urban land
 Soil Components: Toxic: Class B - Moderate to medium toxic, Deep and moderately toxic; Not reported
 Hydrologic Group: A-C-1/A
 Soil Drainage Class: Not reported
 Hydrologic Status: Partially Saturated
 Contaminant Potential - Uncontaminated Shale: Not Reported
 Depth to Bedrock Mitc: > 0 inches
 Depth to Water-table Mitc: > 7 inches
 No Layer Information available.

LOCAL FRESHWATER WATER BULKY PYS-TERM INFORMATION
 EDK Identification Number Agency records provide useful well information to assist in the environmental
 criteria about the impact of contamination in any situation on nearby drinking water wells.

WELL SEARCH CRITERIA INFORMATION
 NAME: [Redacted]
 TYPE: [Redacted]
 DATE: [Redacted]
 STATE: [Redacted]

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

STATE DATABASE WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

STATE DATABASE WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

STATE DATABASE WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

STATE DATABASE WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USER WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

STATE DATABASE WELL INFORMATION
 MAP ID: [Redacted] WELLS: [Redacted]
 LOCATION: [Redacted]

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'FED USGS' and 'WELLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'WELLS' and 'MILLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'WELLS' and 'MILLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'WELLS' and 'MILLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'WELLS' and 'MILLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Name, Address, City, State, ZIP, and various status indicators. Includes entries for 'WELLS' and 'MILLS'.

WELLS IN WELLS MISSOURI 63103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

MTI
WZ-1 Mile
Highway
10/20/2017

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

MTI
WZ-1 Mile
Highway
10/20/2017

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Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

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WZ-1 Mile
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Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

MTI
WZ-1 Mile
Highway
10/20/2017

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

MTI
WZ-1 Mile
Highway
10/20/2017

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns for Category, Count, and Finding. Includes categories like Openness, Obstruction, and Utility. Findings include 'Not Reported' and 'No Obstruction'.

MTI
WZ-1 Mile
Highway
10/20/2017

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330207' and '330208'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330209' and '330210'.

IC64831723 Page 4/32

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330211' and '330212'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330213' and '330214'.

IC64831723 Page 4/33

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330215' and '330216'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330217' and '330218'.

IC64831723 Page 4/34

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330219' and '330220'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330221' and '330222'.

IC64831723 Page 4/35

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330223' and '330224'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330225' and '330226'.

IC64831723 Page 4/36

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330227' and '330228'.

Table with 4 columns: No. ID, Description, Data/Status, and Well ID. Includes entries like '330229' and '330230'.

IC64831723 Page 4/37

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 00
Site Name: PFC
Site Address: OAKLEY GALL
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 01-48P48C
Site Name: PFC
Site Address: 1100 S. 200th St., Suite 100
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 01-48P48C
Site Name: PFC
Site Address: 1100 S. 200th St., Suite 100
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 29-241C-04
Site Name: 29-241C-04
Site Address: 29-241C-04
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 29-241C-04
Site Name: 29-241C-04
Site Address: 29-241C-04
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
1	1	1	1	1
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4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 148274
Site Name: 148274
Site Address: 148274
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 148274
Site Name: 148274
Site Address: 148274
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
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2	2	2	2	2
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9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 00
Site Name: 00
Site Address: 00
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 00
Site Name: 00
Site Address: 00
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
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6	6	6	6	6
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9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 32342
Site Name: 32342
Site Address: 32342
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 32342
Site Name: 32342
Site Address: 32342
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
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4	4	4	4	4
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6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site ID: 00
Site Name: 00
Site Address: 00
City/County: 0
State: 0
County: 0
City: 0
Address: 0
Site ID: 00
Site Name: 00
Site Address: 00
City/County: 0
State: 0
County: 0
City: 0
Address: 0

UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
UTLS	UTLS	UTLS	UTLS	UTLS
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS17
WELLS
INDICATED/180

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS19
WELLS
INDICATED/184

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS20
WELLS
INDICATED/185

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS21
WELLS
INDICATED/187

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS22
WELLS
INDICATED/188

GEOCHECK-6 - PHYSICAL SETTING SOURCE MAP FINDINGS

Table with columns: Material, Quantity, Location, and Remarks. Includes items like PVC, Sandstone, and various well identifiers.

AS23
WELLS
INDICATED/189

PHYSICAL SETTING SOURCE RECORDS SEARCHED

SUBMITTAL ADDRESS INFORMATION

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C. Historical Sources

i. Aerial Photographs

ii. Sanborn Fire Insurance Maps

iii. City Directories



5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545

Inquiry Number: 4843417.9

February 02, 2017

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

02/02/17

Site Name:

5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545
EDR Inquiry # 4843417.9

Client Name:

Environmental Protection Ind.
16650 South Canal
South Holland, IL 60473
Contact: Jb



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: April 11, 1998	USGS/DOQQ
1986	1"=500'	Flight Date: June 03, 1986	USGS
1980	1"=500'	Flight Date: October 30, 1980	USGS
1977	1"=750'	Flight Date: April 10, 1977	USGS
1973	1"=500'	Flight Date: July 13, 1973	USDA
1967	1"=500'	Flight Date: August 28, 1967	USGS
1960	1"=750'	Flight Date: June 09, 1960	USGS

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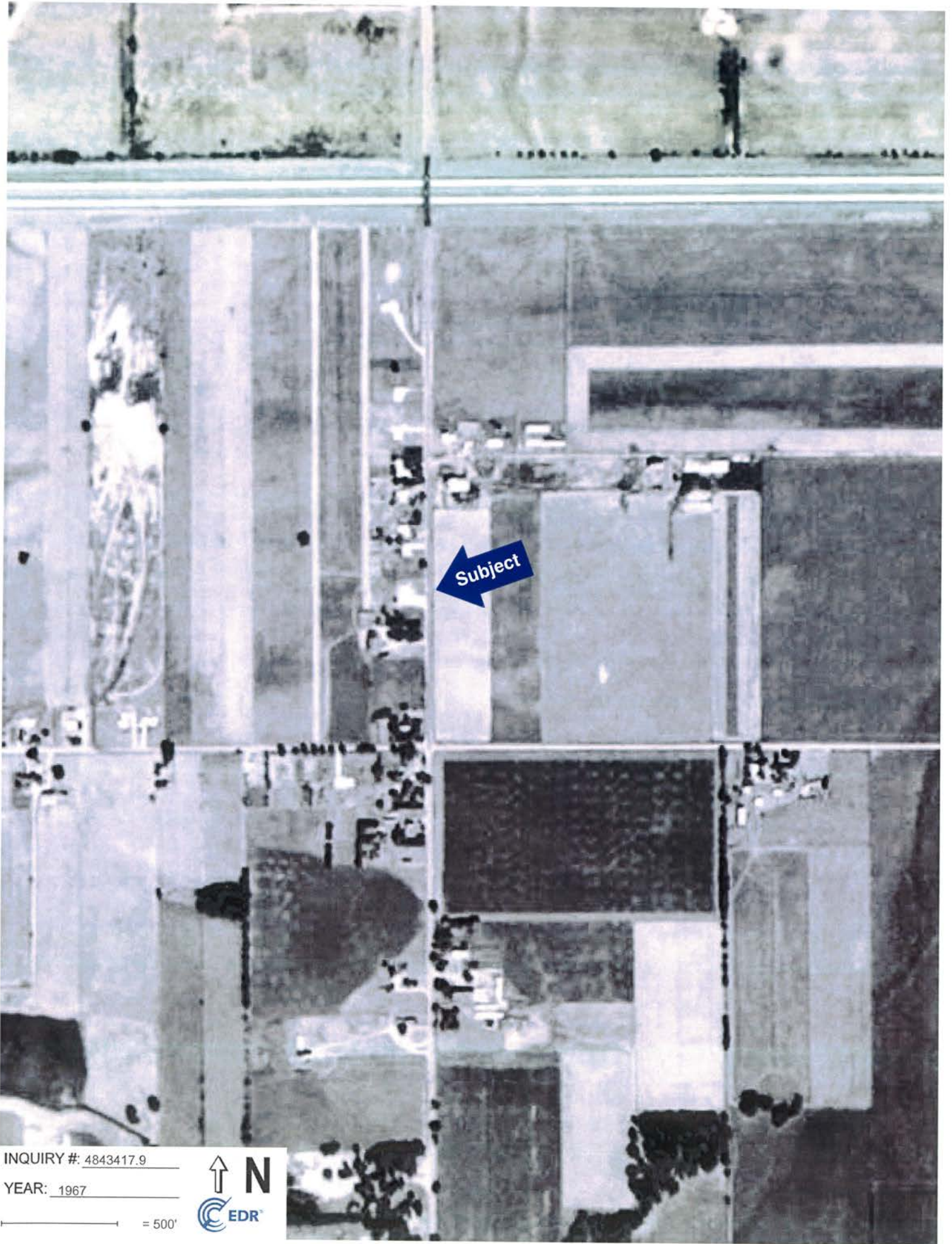


INQUIRY #: 4843417.9

YEAR: 1960

— = 750'





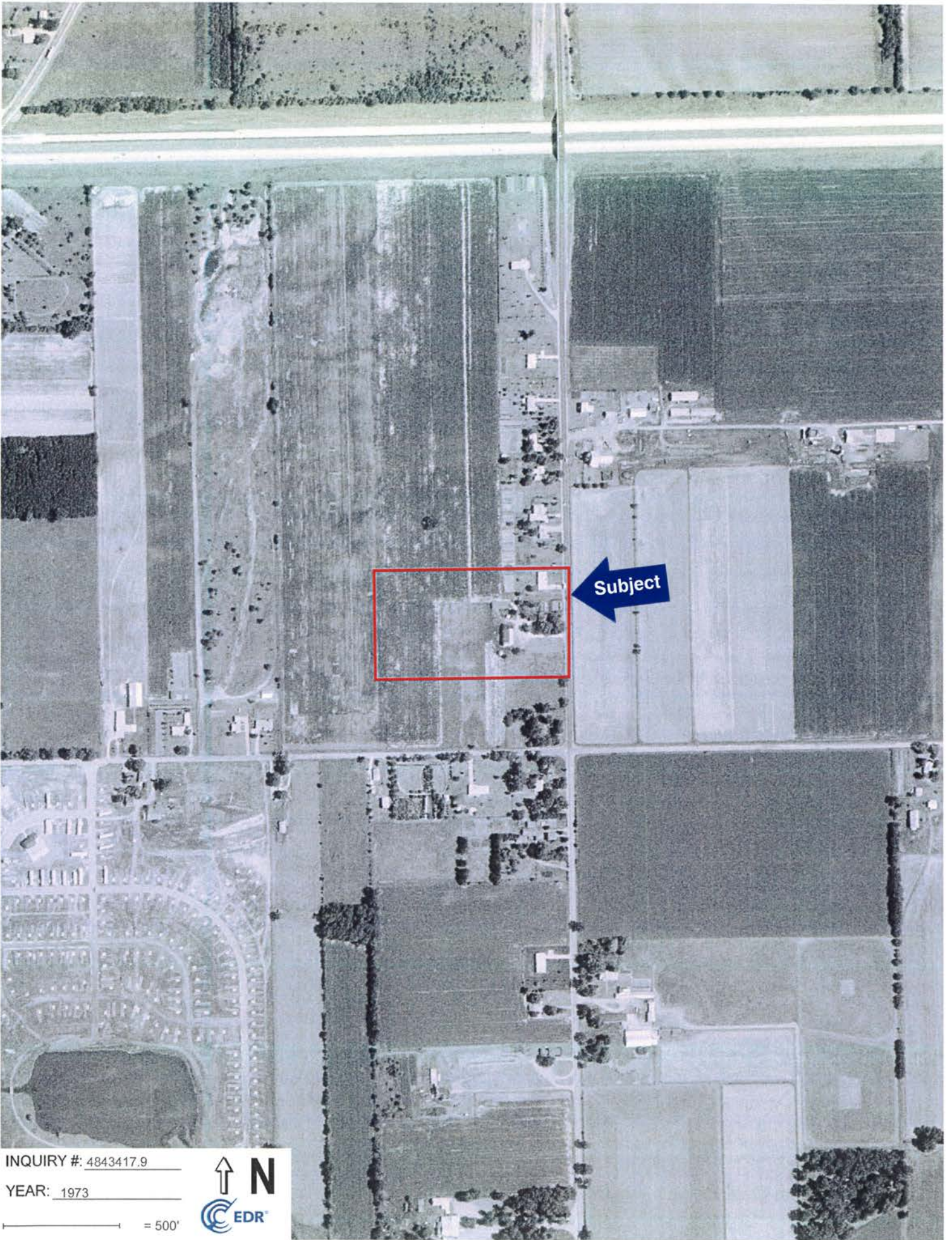
Subject

INQUIRY #: 4843417.9

YEAR: 1967

— = 500'





INQUIRY #: 4843417.9

YEAR: 1973

— = 500'





Subject

INQUIRY #: 4843417.9

YEAR: 1977

— = 750'





INQUIRY #: 4843417.9

YEAR: 1980

— = 500'



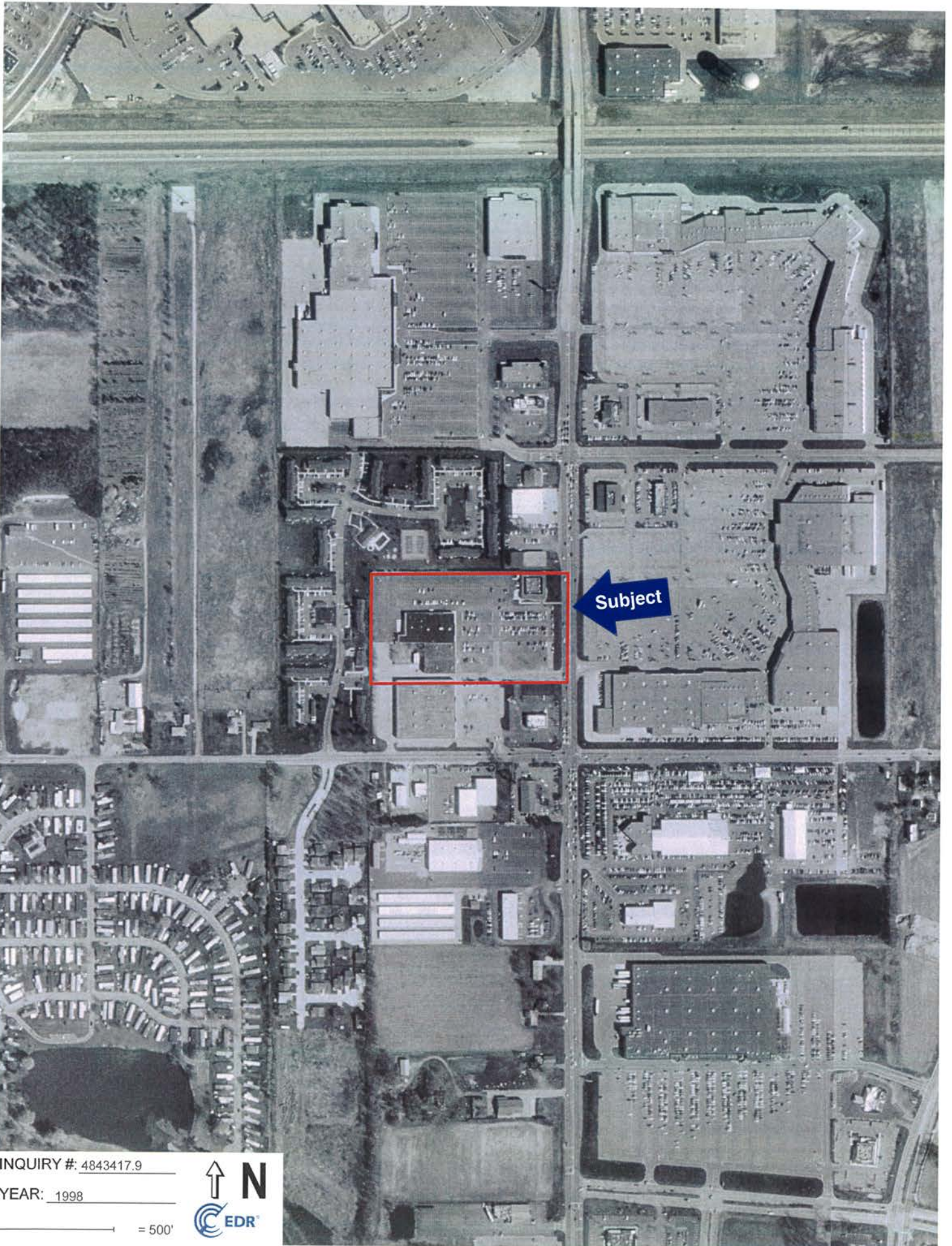


INQUIRY #: 4843417.9

YEAR: 1986

— = 500'





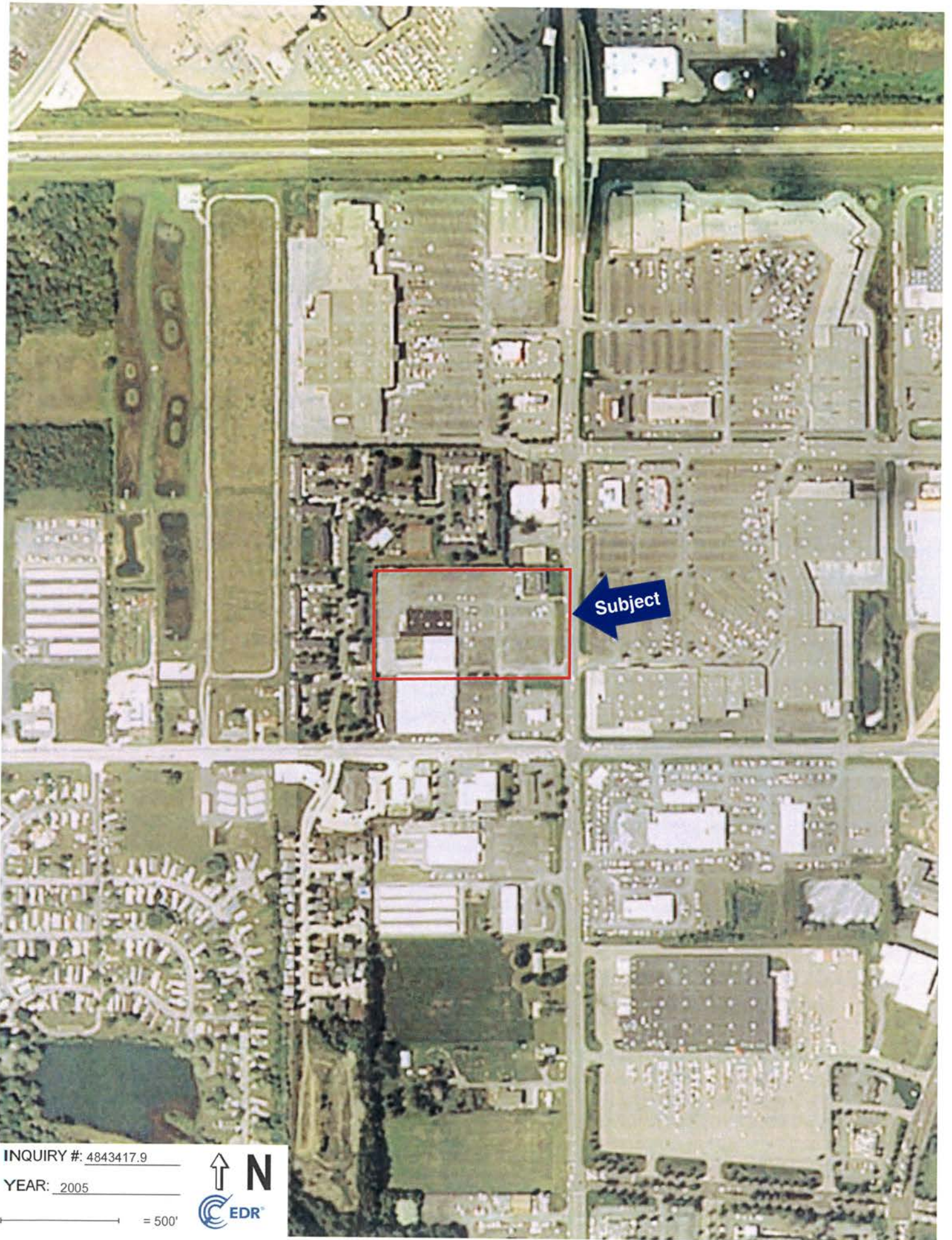
INQUIRY #: 4843417.9

YEAR: 1998

— = 500'



EDR



INQUIRY #: 4843417.9

YEAR: 2005

— = 500'





INQUIRY #: 4843417.9

YEAR: 2006

— = 500'



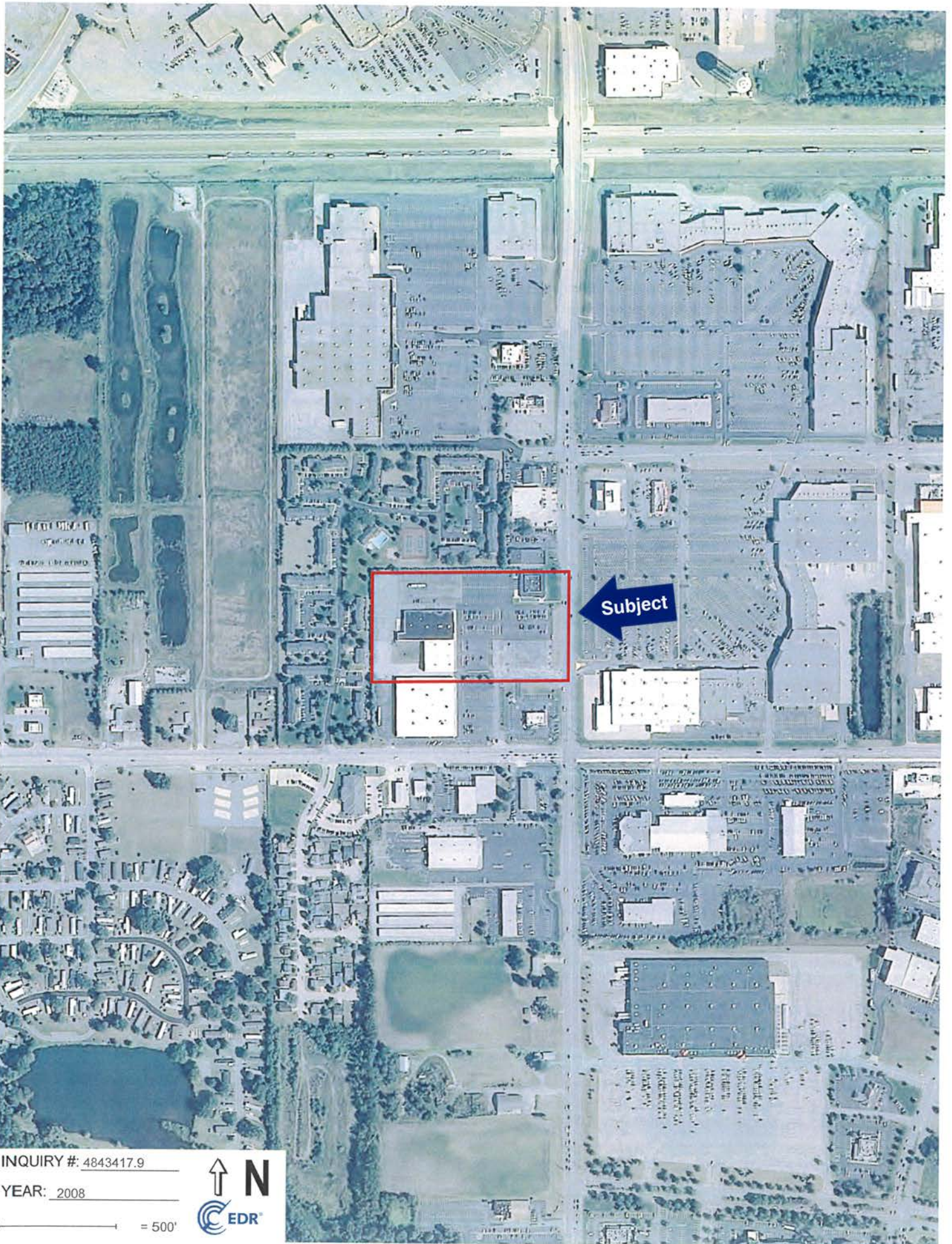


INQUIRY #: 4843417.9

YEAR: 2007

— = 500'



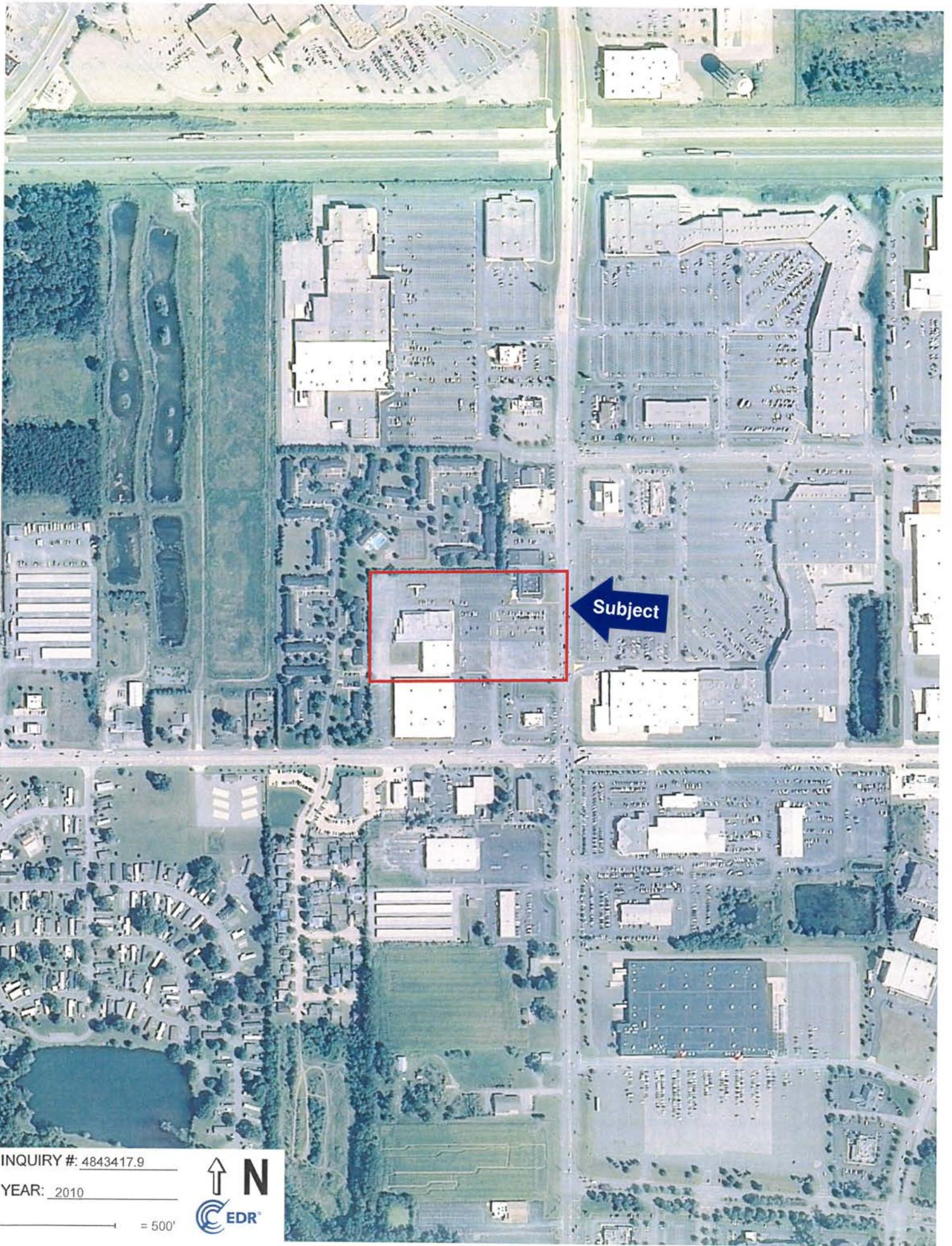


INQUIRY #: 4843417.9

YEAR: 2008

— = 500'



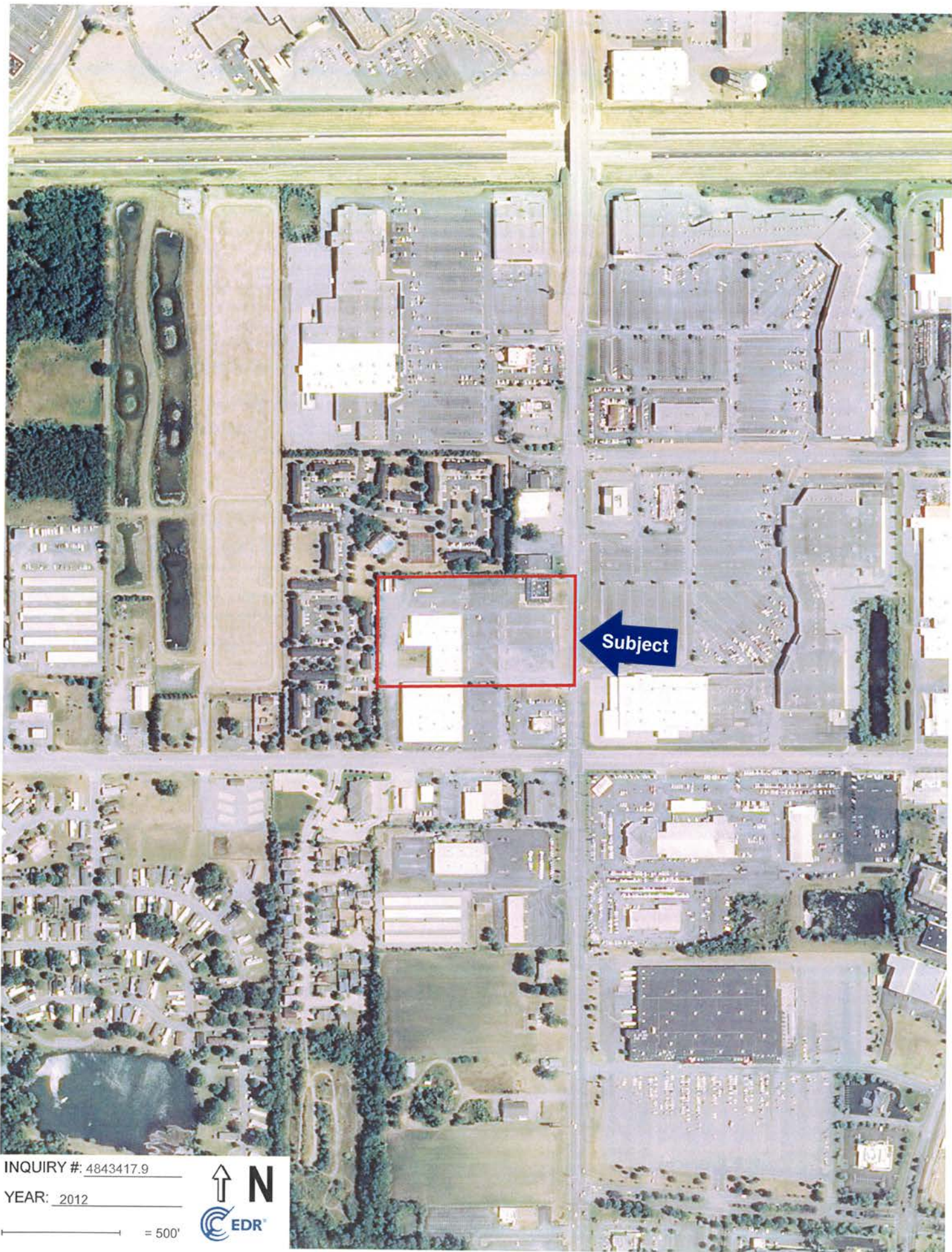


INQUIRY #: 4843417.9

YEAR: 2010

— = 500'





INQUIRY #: 4843417.9

YEAR: 2012

— = 500'





5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545

Inquiry Number: 4843417.3

February 02, 2017

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

02/02/17

Site Name:

5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545
EDR Inquiry # 4843417.3

Client Name:

Environmental Protection Ind.
16650 South Canal
South Holland, IL 60473
Contact: Jb



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Protection Ind. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 6840-43A8-827B
PO # NA
Project 171024

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.



Sanborn® Library search results

Certification #: 6840-43A8-827B

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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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5603 Grape Road
5603 Grape Road
Mishawaka, IN 46545
Inquiry Number: 4843417.5
February 02, 2017

TABLE OF CONTENTS

SECTION
Executive Summary
Findings
City Directory Images

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

The EDR-City Directory Image Report

6 Armstrong Road
Suite 200
800-352-0050
www.edrinc.com

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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.

Year	Target Street	Cross Street	Source
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1977	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1972	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

5603 Grape Road
Mishawaka, IN 46545

Source

CD Image

Year

GRAPE RD

Year	CD Image	Source
2013	Pg A1	Cole Information Services
2008	Pg A2	Cole Information Services
2003	Pg A3	Cole Information Services
1999	Pg A4	Cole Information Services
1995	Pg A5	Cole Information Services
1992	Pg A6	Cole Information Services
1987	Pg A7	Polk's City Directory
1987	Pg A8	Polk's City Directory
1987	Pg A9	Polk's City Directory
1982	Pg A10	Polk's City Directory
1982	Pg A11	Polk's City Directory
1982	Pg A12	Polk's City Directory
1977	Pg A13	Polk's City Directory
1977	Pg A14	Polk's City Directory
1972	Pg A15	Polk's City Directory
1972	Pg A16	Polk's City Directory
1972	Pg A17	Polk's City Directory
1969	Pg A18	Polk's City Directory
1969	Pg A19	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

GRAPE RD 2008

5211 AMERICAN GENERAL FINANCE INC
 5213 AA MINI WAREHOUSE & STORAGE
 MINI STORAGE DEPOT
 STERLING MANAGEMENT LTD INC
 GURLEY LEEP
 5302 GURLEY LEEP AUTOMOTIVE GROUP INC
 GURLEY LEEP BUICK GMC TRUCK
 GURLEY LEEP COLLISION CENTER
 ROCK OLDSMOBILE CADILLAC INC
 TEAM IMPORTS INC
 TEAM NISSAN SUBARU SUZUKI
 5325 CHRISTOPHER J WOLF OD INC
 NORTHERN INDIANA OPTOMETRISTS
 WOLF C J OD
 C & B OPTICAL ONE
 LEAVERTON JAMES A OD
 5415 STEAK N SHAKE
 5419 ENTERTAINMENT MASTERS GROUP LLC
 STRIKES & SPARES ENTERTAINMENT CENTE
 BARGAIN BOOKS
 5505 HOB LOB LIMITED PARTNERSHIP
 5514 A B C WAREHOUSE INC
 5517 OFFICE MAX
 5520 OFFICEMAX IMPRESS
 OFFICEMAX NORTH AMERICA INC
 5530 COPY MAX
 5534 PARTY AMERICA
 PARTY CONCEPTS INC
 5540 OCB RESTAURANT CO
 OLD COUNTRY BUFFET
 MAE HANSEN
 5576 JO ANN FABRICS & CRAFT STORE
 5612 DISCOUNT TIRE CO INW03
 5615 INDIANA DISCOUNT TIRE CO INC
 HARMONY MARKET
 5616 BOXES PLUS
 5622 G & C CO LLC
 FUTON FACTORY
 5632 CHASE PROPERTIES
 5650 BURLINGTON COAT FACTORY
 5652 WAL MART STORES INC
 5664 GOGIS FINE JEWELRY
 5670 LIBERTY MUTUAL INSURANCE CO

GRAPE RD 2013

5211 SPRINGLEAF FINANCIAL SERVICES
 5213 MINI STORAGE DEPOT
 5302 GURLEY LEEP
 GURLEY LEEP AUTOMOTIVE GROUP
 5327 C & B OPTICAL
 5415 STEAK N SHAKE
 5419 DAVID SCHOENS PRO SHOP
 STRIKES & SPARES ENTERTAINMENT CTR
 5505 BARGAIN BOOKS
 5514 HOBBY LOBBY
 5517 ABC WAREHOUSE
 RACC ACCEPTANCE
 5518 THE ROOM PLACE
 5520 COPYMAX
 OFFICEMAX MISHAWAKA
 5540 RYANS
 5603 FITNESS USA SUPERCENTER
 5610 CHASE PROPERTIES
 FUN F X INC
 5612 JOANN FABRICS & CRAFTS
 5615 DISCOUNT TIRE
 DISCOUNT TIRE CO
 5618 APPLE VALLEY NATURAL FOODS INC
 5626 BOWL OF PHO
 AVENUE
 5628 CHASE PROPERTIES
 5650 BURLINGTON COAT FACTORY
 5652 GAMESTOP
 5656 EUNIWAVE
 5660 CHECK INTO CASH
 5670

GRAPE RD 1999

5211	AMERICAN GENERAL FINANCE
5213	BONNIE HAGEMANN
5225	FRANKS NURSERY & CRAFTS
5302	BODY SHOP
	GURLEY LEEP BUICK GMC TRUCK
	GURLEY LEEP DODGE INCORPORATED
	ROCK OLDSMOBILE CADILLAC INCORPORATED
	UNIVERSITY PARK CHRYSLER PLYMOUTH INCORPORATED
5325	WOLF C J OD OFFICE OFFICE
5327	ALBERT PATRICK OD OFFICE
	C & B OPTICAL ONE
	CUKROWICZ DONALD L OD OFFICE
	LONG REBECCA A OD
	TREASE DONALD W OD
5415	STEAK N SHAKE
5419	SPIECE SALES COMPANY
5505	NEW YORK CARPET WORLD
5514	HOBBY LOBBY CREATIVE CENTERS
	MEDIA PLAY
5517	A B C WAREHOUSE
5520	COPY MAX
	FURNITURE MAX
	FURNITUREMAX
	OFFICE MAX
	OFFICEMAX
5540	OLD COUNTRY BUFFET
5603	FITNESS USA SUPERCENTERS
	SLENDERFORM UNIVERSAL HEALTH SPAS
	UNIVERSAL HEALTH SPA
5612	ERICAS VIKING WHITE SEWING CENTER
5615	DISCOUNT TIRE COMPANY INCORPORATED
	INDIANA DISCOUNT TIRE COMPANY INCORPORATED
5616	HARMONY MARKET
5620	BANC ONE FINANCIAL SERVICES
5624	FOX J R JEWELERS JWILRY
5626	BLIMPIE SUBS AND SALADS
5632	EL BEE SHOE OUTLET
	FUTON FACTORY
5634	FRAMES UNLIMITED
5650	CHASE PROPERTIES
5652	SAMS CLUB MEMBERS ONLY
5660	CONEY ISLAND EXPRESS
	FAMOUS CONEY EXPRESS
5668	HOUSEHOLD FINANCE CORPORATION

GRAPE RD 2003

5211	AMERICAN GENERAL FINNCL SRVC
5302	DODGE CITY BODY SHOP
	LIMITED INVESTMENTS INC
5327	C & B OPTICAL INC
	CUKROWICZ DONALD L OD OFFICE
5415	STEAK N SHAKE
5505	BARGAIN BOOKS
	MIGUEL TOBON
5614	HOBBY LOBBY CREATIVE CENTERS
	MEDIA PLAY
5517	ABC WAREHOUSE
5520	COPY MAX
	FURNITUREMAX
	OFFICEMAX
5534	PAPER FACTORY
5540	OLD COUNTRY BUFFET
5603	FITNESS USA SUPERCENTERS
5612	ERICAS VIKING WHITE SEWING CTR
	JO ANN FABRICS & CRAFTS
5615	DISCOUNT TIRE CO
5616	HARMONY MARKET
5622	BOXES PLUS
5626	BLIMPIE SUBS & SALADS
5628	WILL SHIRE PLAZA
5632	EL BEE SHOE OUTLET
	FUTON FACTORY
5650	CHASE PROPERTIES
5652	BURLINGTON COAT FACTORY
	BURLINGTON COAT FCTRY WRHS
5660	KRAMERS GRILL
5668	HOUSEHOLD FINANCE CORP

Target Street

Cross Street

Source
Cole Information Services

GRAPE RD 1995

5211 AMERICAN GENERAL FINANCIAL CTR
5213 BRASS, LINDA
MINI STORAGE DEPOT
5221 SUMPTON, DAN F
5225 FRANKS NURSERY & CRAFTS
5302 ENTERPRISE RENT A CAR
GURLEY LEEP BUICK MERCEDES GMC
GURLEY LEEP DODGE INC
UNIVERSITY PARK CHRYSLER
C & B OPTICAL
5325 CATHERINE DE CLEENE OD
DONALD L CUKROWICZ OD
PATRICK ALBERT OD
WOLF, C J
5327 C & B OPTICAL
C & B OPTICAL ONE
DONALD W TREASE OD
REBECCA A LONG OD
5414 STEAK N SHAKE RESTAURANT
5419 SPIECE SALES CO
5505 NEW YORK CARPET WORLD
5514 BUILDERS SQUARE
5517 ABC WAREHOUSE
5520 OFFICE MAX
5530 PRO GOLF OF AMERICA INC
5534 PAPER FACTORY
5540 OLD COUNTRY BUFFET
5603 FITNESS USA HEALTH SPAS
5610 WACCAMAW
5615 INDIANA DISCOUNT TIRE CO
5616 HOUSE OF FABRICS INC
SINGER SEWING CO
5622 BOXES PLUS
5624 J R FOX JEWELERS
5632 EL BEE SHOE OUTLET
JNB RETAIL
5634 FRAMES UNLIMITED
5650 CHASE PROPERTIES
5652 SAMS CLUB
5656 LOCAL BEAUTY SUPPLY
5660 CONEY EXPRESS
5664 VISION VALUES BY DR TAVEL
5668 HOUSEHOLD FINANCE CO
5670 LIBERTY MUTUAL INSURANCE

Target Street

Cross Street

Source
Cole Information Services

GRAPE RD 1992

5211 AMER GEN FINANCIAL
5213 MINI STORAGE DEPOT
PIERPONT, DARRELL L
5225 CIRCLE LUMBER INC
5302 GURLEY LEEP BDY SHP
5325 LONG REBECCA A OD
5327 C&B OPTICAL
5419 TEPE CATALOG SHWRM
5505 NY CARPET WORLD
5514 BUILDERS SQ 1529
5517 HIGHLAND MBL ELTRNC
5520 OFFICEMAX
5530 WALZ J E COMFORT
WATZ J E SHOPPE
5540 OLD COUNTRY BUFFET
5603 SLENDERFORM SPAS
5610 WACCAMAW
5615 DISCOUNT TIRE CO
5622 BOXES PLUS
5624 FOX J R JEWELERS
5628 C S O
5632 EL BEE SHOE OUTLET
5650 ZAREMBA MANGMNT SRV
5652 WHOLESALE CLUB THE
5656 LOCAL BEAUTY SUPPLY
5660 FAMOUS CONEY EXPRESS

GRAPE RD 1982

PEAR RD INTERSECTS

GRAPE RD (CLAY-PRVN TOWNSHIPS-FROM ADAMS RD SOUTH)

PO CRANDER IND ZIP CODE 48580

51049 Broadway Robt R. @ 373-1919
 51318 Graham Hermann @ 373-4877
 51320 Bertie Johnson R. @ 373-8194
 51331 Sroscenski Ehabd E. @ 373-8282
 51363 Mae Gregory C. @ 373-8394
 51367 Vernal
 51678 Cecelia Hubert N. @ 373-3671
 51739 Squaine Wm R. @ 373-4186
 51739 Strank Sarah J. @ 373-3672

FAIRFIELD LA INTERSECTS

51747 Kusquet Reed E. @ 373-3334
 51748 Ashbaugh Roger @ 373-3310
 51819 Springer Ewita @
 51883 Kelly Paul @
 51886 Sabo Louis F. @ 373-3516
 51963 Redwood Rosemary H. @ 373-3976

BRICK RD INTERSECTS

6231 Luke Richard L. @ 373-3435
 6233 Brown Ernest O. @
 6240 Crawford Harold D. @ 373-4801
 6261 Keet Donald A. @ 373-3857
 6269 Meyer Roland E. @ 373-3762

GERALD ST INTERSECTS

6214 Bretton Larry O. @ 373-3819
 6215 Wheeler Cary W. @ 373-4551
 6213 Eckhardt Kenneth L. @ 373-3504

BRANDON LA INTERSECTS

6217 Harris Hugh R. @ 373-4773
 6238 Langley Larry W. @ 373-1148
 6240-Kewala Ruth 373-3770
 6241-DARDEN INTERSECTS

6245 Harway David A. @ 373-4388
 6249 Christian Dale @ 373-5244
 6251 Forrest John H. @ 373-3857
 6250 Hussman James M. @ 373-3523
 6249 Larson Dale A. Mrs. @ 373-2458
 6252-Cregory Ruth W. @ 373-3857
 6258 Newcomer Robt S. @ 373-1913

GRAPE RD 1987

GRAPE RD (CLAY-PRVN TOWNSHIPS-FROM ADAMS RD SOUTH)

4215 Christine Spitt Sherry Th. 373-5255
 4218 Change Publishing Co. Inc. 373-7194
 4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194

WINDY LA INTERSECTS

4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194

WINDY LA INTERSECTS

4219 J. J. & M. M. 373-7194
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WINDY LA INTERSECTS

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WINDY LA INTERSECTS

4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194
 4219 J. J. & M. M. 373-7194

HAMILTON ST INTERSECTS

3805 No Return

3907 Kats Iuda 255-1190

3909* Brian Mary E 256-5946

3911 Mick Maude E Mrs 259-4319

SUGAR PINE DR INTERSECTS

3222 Toth B E 255-8413

3224 Huffine Diane S Mrs 255-8479

3226 Wozniak Roman 255-8491

3228 Dubreux Sue

3230* Jankowski Bert 256-3011

3302 Simpson Carol

3304 Pavik T E 256-1929

3306 Goddard Gladys 255-8481

3308 Hoffman Josephine 259-8709

3310 Whitman Tokla 256-5159

3312 Duncan Elis 255-8232

3314 Jones Cecil E 259-5953

3316 Lyman Wm 259-0159

3318 Wheeler Kathleen A 256-0504

3320 Crocker Kath 259-0586

3322 Andrysiak Janine S

3618 Business Systems Inc 259-5631

3619 Fox & Sons Auto Clinic Inc 256-8778

3717 Vacant

3726 Barnaby's restr 256-0920

EDISON RD INTERSECTS

6402 Jeremiah Sweeney's restr 277-6369

6501 University Park Mall

Sears Roebuck And Co 277-4800

Farmers Garden Restaurant 277-6930

Musicians 277-5383

Waldenbaska 277-4858

HAMILTON ST INTERSECTS

3805 No Return

3907 Kats Iuda 255-1190

3909* Brian Mary E 256-5946

3911 Mick Maude E Mrs 259-4319

SUGAR PINE DR INTERSECTS

3222 Toth B E 255-8413

3224 Huffine Diane S Mrs 255-8479

3226 Wozniak Roman 255-8491

3228 Dubreux Sue

3230* Jankowski Bert 256-3011

3302 Simpson Carol

3304 Pavik T E 256-1929

3306 Goddard Gladys 255-8481

3308 Hoffman Josephine 259-8709

3310 Whitman Tokla 256-5159

3312 Duncan Elis 255-8232

3314 Jones Cecil E 259-5953

3316 Lyman Wm 259-0159

3318 Wheeler Kathleen A 256-0504

3320 Crocker Kath 259-0586

3322 Andrysiak Janine S

3618 Business Systems Inc 259-5631

3619 Fox & Sons Auto Clinic Inc 256-8778

3717 Vacant

3726 Barnaby's restr 256-0920

EDISON RD INTERSECTS

6402 Jeremiah Sweeney's restr 277-6369

6501 University Park Mall

Sears Roebuck And Co 277-4800

Farmers Garden Restaurant 277-6930

Musicians 277-5383

Waldenbaska 277-4858

GRAPE RD 1977

1906	GRAPE RD (RD) - Conn			
1907	3304 Magrawe Animal Hospital	239-6391		
1908	3306 Haysone Society	235-4728		
1909	3308 Rottwell D L Draywall Construction Co drywall contractor			
1910	3310 Rottwell Dwight L	239-9723		
1911	3312 Cunningham James W	239-3469		
1912	3314 South Hand Beauty Supply Co			
1913	3316 Russ Donald R	235-8771		
1914	3318 Grace Ethel Chapel	239-6740		
1915	3320 Ronder Charlan E	235-4081		
1916	3322 Steady Deton	235-7853		
1917	IMUS BIRKINS			
1918	2708 Simaria Enterprises Bldg	239-0180		
1919	Street Joseph			
1920	2716 No Return			
1921	WHITE OAK INTERSECTS			
1922	SUGAR PINE INTERSECTS			
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GRAPE RD 1977

2690	Kilgoback Carolyn			
2691	LAN RD INTERSECTS			
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GRAPE RD 1972

GRAPE RD 674 TWY-Cross
 5280 Fulton Park Dr @ 485-8800
 52815 Michalek Blvd E @ 485-4018
 52825 Reiser Geo W @ 269-5566
CATALPA AV INTERSECTS
 52828 White Donald D @ 269-4906
 52871 Morgan Charles E @ 269-2887
 52889 Detterich David
BROWN AV INTERSECTS
 52819 Craymer Donald V @ 269-8780
 52824 Young Frank B @
HENRY AV INTERSECTS
 52869 Burgett Andrew J @ 269-3181
 52-409 Willy Lucy R @ 269-5764
 52421 Jones Basile L Mrs @ 269-3603
 52475 Fessett Woodrow N 269-5747
 26901 Hipsher Norm Mrs @ 265-2018
EISENHOWER AV INTERSECTS
DOUGLAS RD INTERSECTS
 194
**GRAPE RD (MISHAWAKA)-FROM
 WHITE OAK DR NORTH TO
 CATALPA DR**
PO MISHAWAKA IND
 ZIP CODE 46844
 2694 South Bend Shanty Supply 269-9611
 2691 Sakur Amanda Mrs
 26904 Podorski Theresa L
 26906 Young Shelia L
 26907 Young E T
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 FROM GUNNER RD WEST 4 SOUTH
 TO 600 WEST 4 SOUTH**
 198

GRAPE RD 1969

GRAPE RD 1547Y TOWNHIP1-FROM
 UNPLATTED AREA SOUTH
 193
 ---RD GRANGER IND
 ---ZIP CODE 46826
 21027 MURPHY EVELYN Mrs @
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GRAPE RD 1969

GRAPE RD (CLTWP)---CONTD

55031 DAVIS HAROLD C • 255-3713
55051 WEAVER JERRY D •
55063 JONES DAN E • 259-1635
55087 JONES ASA E • 255-7483
55103 MINZEY GEO W •
55125 ZELASKO SOPHIE 255-6609
55126 RETTSCHLAG ARTH K • 255-2009
55155 JOHNSON GREGORY W
55195 PINDELL DOROTHY 255-0980
55205 FARKAS FRANK J • 255-8809
55218 MANNESMITH RICHD 255-0016
55225 SAGER GEO W • 259-5566
---CATALPA AV INTERSECTS
55261 WHITE DONALD D • 259-2996
55271 MORGAN CHARLES E • 259-3837
55274 NO RETURN
55299 NO RETURN
---BROWN AV INTERSECTS
55319 CARPENTER DONALD 255-2720
55353 YOUNG FRANK D • 255-2044
---BERRY AV INTERSECTS
55399 BURGGRAF ANDREW 259-3101
55409 WILEY LLOYD E • 255-5764
55421 JONES CLYDE S 259-3603
---EISENHOWER AV INTERSECTS
55983 NO RETURN
---DOUGLAS RD INTERSECTS



D. Freedom Of Information Act (FOIA)

i. City of Mishawaka

ii. IDEM

ACCESS TO PUBLIC RECORDS REQUEST

NAME: JOHN BEST

ADDRESS: 16650 S. CANAL, SOUTH HOLLAND, IL

PHONE NUMBER: (W) 708.225.1115 (F) 708.225.1117

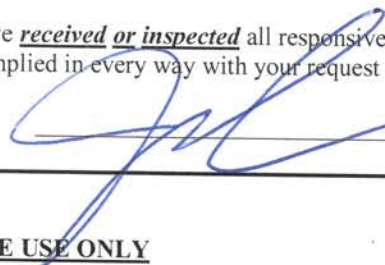
DATE: 2/15/17 TIME: _____

INFORMATION REQUESTED VIOLATIONS, CERTIFICATES OF OCCUPANCY, PERMITS FOR TANK INSTALL/REMOVAL @ 5503 + 5603 GRAPES RD. TAX ID# 029-1004-030202

DEPARTMENT Bldg + Fire " " 038005 " " -030201 " " -0307 0307

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5603 GRAPE RD
PARCEL_ID: 29-1004-0307

PERMIT NO. DATE WORK TYPE FINAL CO CONTRACTOR(S) PROJECT/EST COST STATUS

7182 H 05/11/01 ROOFTOP UNIT(S) HERRMAN & GOETZ, INC. FITNESS USA HVAC 0

INSPECTOR BOB 05/17/2001 HEATING APPROVAL: N
not ready for inspection

8140 H 01/28/03 ROOFTOP UNIT(S) DOMINIACK MECHANICAL IN. FITNESS USA ROOFTOP 0

22945 B 03/24/05 COMM. ALTERATION/REMODEL 10/09/05 VAN OVERBERGHE BUILDERS, INC. FITNESS USA ALT. C
56500

INSPECTOR ZSTABROWSKI 04/06/2005 B FRAME-IN APPROVAL: Y
INSPECTOR LARRY F 10/09/2005 B FINAL APPROVAL: Y

15088 E 04/07/05 ELE ADD CKTS OR SUBPANEL HERRMAN & GOETZ (ELE) FITNESS USA CIRCUITS 0

INSPECTOR ELIUD 04/07/2005 E ROUGH APPROVAL: Y
Reminded contractor about need of 4" of concrete for under slab
conduit

INSPECTOR ELIUD 10/10/2005 ELECTRICAL APPROVAL: N
In process

3268 S 06/24/08 SIGN BLDG MOUNTED * SIGN-A-RAMA FITNESS SIGN 0

3307 S 10/09/08 SIGN BLDG MOUNTED * SIGN-A-RAMA FITNESS USA SIGN 0

13179 H 06/05/13 ROOFTOP UNIT(S) EDWARD J WHITE (HVAC) FITNESS USA ROOFTOP UNIT F
0

INSPECTOR MATT 06/05/2013 HEATING-A/C APPROVAL: Y

PRNTHIST
02/24/2017
10:42 AM

CITY OF MISHAWAKA
OWNER NAME: BARGAIN BOOKS
HISTORY REPORT BY ADDRESS

5505 GRAPE RD
PARCEL_ID: 29-1004-030202

PERMIT NO.	DATE	WORK TYPE	FINAL CO	CONTRACTOR(S)	PROJECT/EST COST	STATUS
16158 B	09/14/99	RES.ALT./REMODEL/EIR.REHA	DOCTOR TAR ROOFING	NEW YORK CARPET 2477		O
2218 S	12/02/99	SIGN BLDG MOUNTED ELECT *	SMR OF INDIANA	FLOORING AMERICA		F

INSPECTOR MOE 12/10/1999 ELECTRICAL APPROVAL: N
NOT READY FOR INSPECTION

INSPECTOR MOE 01/27/2000 ELECTRICAL APPROVAL: Y
2636 S 07/08/03 SIGN BLDG MOUNTED * FOREST SIGN & DISPLAY BARGAIN BOOKS SIGN O
0



REQUEST FOR PUBLIC RECORD
 State Form 55542 (3-14)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Date (month, day, year)
 01/31/2017

Name Shanon Kloss			
Firm/Organization Environmental Protection Industries			
Address (number and street) 16650 South Canal	City South Holland	State IL	ZIP Code 60473
Telephone number (Business, Home, etc.) 708-225-1115	E-mail Address skloss@environmental-epi.com		
Identify in detail the records/documents that you are requesting: (Use additional pages if necessary)			
Any and all documents/records related to the property listed as: 5603 N. Grape Road Mishawaka, IN			

Mail/Fax/E-mail your request to:
 IDEM Public Records Office
 Indiana Government Center North, Room 1207
 100 North Senate Avenue, MC 50-07
 Indianapolis, Indiana 46204
 Telephone Number: (317) 232-8667
 Fax Number: (317) 233-6647
 E-mail Address: IDEMFILEROOM@idem.IN.gov

Please note:
 There is no charge associated with requests of less than 100 pages of records.

Copying fees:
 There is not a fee for inspection of records or viewing of records within the Virtual File Cabinet (VFC).
 Records obtained through the Public Records Office (PRO) could be subject to copy fees.

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All requests: The APRA requires that all requests for inspection or copying of public records must identify those records with "reasonable particularity." This means a request must include a description of a record of enough detail to allow agency staff to locate and produce the requested record.

Response by Agency: The APRA requires a public agency to respond to requests within a specified time.

Important Note: This response does not mean that the requested record must be produced at that time. First, the agency must, at a minimum, acknowledge receipt of a request. Second, the record(s), if disclosable, must be produced within a "reasonable time" after the request is received.

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**SAMPLING AND ANALYSIS PLAN
DOUGLAS ROAD LANDFILL SUPERFUND SITE
EDS # A305-6-192
MISHAWAKA, INDIANA
KERAMIDA PROJECT NO. 16575**

Submitted to: **INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
Ms. Jessica Huxhold Fliss
Senior Environmental Manager
Office of Land Quality
Federal Programs Section
MC 66-31 IGCN 1101
Indianapolis Indiana 46204

Submitted by: **KERAMIDA INC.**
401 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600



Kristopher Orton
Project Manager

Reviewed by:



Sara G. Guss
Senior Engineer/Project Manager

September 12, 2016

**SAMPLING AND ANALYSIS PLAN
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September 12, 2016

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Sampling and Analysis Plan for Douglas Road Landfill Superfund Site

KERAMIDA, Inc.
401 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600

July 22, 2016

KERAMIDA Senior Project Manager	<u>Sara Guss</u>
KERAMIDA Project Manager	<u>Kristopher Orton</u>
KERAMIDA QA Manager	<u>Jin Wang</u>

For IDEM Use:

Approved by IDEM Project Manager:

Date:

Expedited Review? Yes No

Received by QA Office:

Date:

Reviewed by:

Date:

Approved:

Date:

Quality Assurance Manager

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* From Remedial Design Drawings dated June 1997

** From Remedial Design Drawings dated January 1997

**SAMPLING AND ANALYSIS PLAN
DOUGLAS ROAD LANDFILL SUPERFUND SITE
EDS # A305-6-192
MISHAWAKA, INDIANA
KERAMIDA PROJECT NO. 16575**

1.0 INTRODUCTION

This sampling and analysis plan (SAP) was prepared to provide the protocol for the collection and analysis of various wetland water, landfill gas, and groundwater samples at locations throughout the Douglas Road Landfill Superfund Site in response to its history of hazardous waste disposal. The scope of work was established by the Indiana Department of Environmental Management (IDEM) professional/personal services contract, EDS # A305-6-192 (Contract), dated November 25, 2015. The period covered by this Contract is December 12, 2015 through December 2, 2016 and operation and maintenance (O&M) services include, but are not limited to, environmental remediation, sampling and various field activities. A Quality Assurance Project Plan (QAPP) dated June 12, 2014 was provided for the project and was updated most recently on June 24, 2016.

1.1 Site Name and Sampling Area

The procedures described in this SAP apply to the Douglas Road Landfill Superfund Site located in Mishawaka, St Joseph County, Indiana (also referred to as “the Site”).

1.2 Site or Sampling Area Location

The Site is located near the northwest corner of the intersection of Grape Road and Douglas Road in Section 28, Township at 38 North, Range 3 East, north of South Bend in Saint Joseph County, Indiana. Parts of the groundwater treatment and monitoring system extend as far west as State Route 23 and as far south as Juday Creek.

1.3 Responsible Agency

The IDEM is responsible for the operation, management and remediation of the Site. In 2009, IDEM contracted with KERAMIDA to conduct the day to day O&M activities at the Site through mid-2013. KERAMIDA resumed responsibility for O&M responsibilities at the Site.

KERAMIDA Inc. is an Environmental and Health & Safety Consulting and Engineering Firm headquartered in Indianapolis, IN. Since its establishment in 1988 KERAMIDA has built a reputation as a leader in the field – providing sustainability, compliance, remediation, site investigation, and environmental health and safety services to a diverse group of clients.

1.4 Project Organization

The key project personnel contact information and responsibilities is summarized below.

**Table 1-1
Key Project Personnel Contact Information and Responsibilities**

Title	Name	Phone Number Email Address	Responsibilities
IDEM Project Manager	Jessica Huxhold Fliss, IDEM Senior Project Manager	(317) 233-2823 jfliss@idem.IN.gov	<ol style="list-style-type: none"> 1. Direct, review, and approve QAPP and Sampling and Analysis Plans (SAPs). 2. Provide technical consultation services to the KERAMIDA project manager. 3. Review progress reports detailing work accomplished. 4. Review all final reports.
Contractor Senior Project Manager	Sara Guss, Senior Engineer/Project Manager, KERAMIDA Inc.	(317) 685-6608 (Office) (317) 750-5334 (Cell) sguss@keramida.com	<ol style="list-style-type: none"> 1. Responsible for planning, coordinating, monitoring, and evaluating of project field activities. 2. Before sampling, meet with the IDEM project manager, quality assurance (QA) manager, and field staff to discuss and establish sampling purposes, sampling methodology, number of samples, size of samples, sample preservation methods, chain-of-custody (COC) requirements, analyses required, and which samples will be duplicated in the field. 3. Resolve technical problems. 4. Meet with team members to discuss and review analytical results prior to completion of reports. 5. Responsible for environmental reports and documents.
Contractor Assistant Project Manager	Kristopher Orton, Project Manager, KERAMIDA Inc.	(317) 685-6629 (Office) (309) 370-5533 (Cell) korton@keramida.com	<ol style="list-style-type: none"> 1. Assist the Senior Project Manager with the responsibilities listed above.
Contractor QAO	Jin Wang, Technical Assistant, KERAMIDA Inc.	(317) 685-6600 jwang@keramida.com	<ol style="list-style-type: none"> 1. Oversee assessment activities to ensure that sampling methodology, sample preservation methods, and COC procedures are being followed. 2. Assist in any QA issues with field or laboratory questions, as needed. 3. Conducts Field Audits. 4. Maintain a record of samples submitted to the laboratory, the analyses being performed on each sample, the final analytical results, and data validation reports. 5. Prepares Data Assessment Report (DAR). 6. Annual review of QAPP.

**Table 1-1 (cont.)
Key Project Personnel Contact Information and Responsibilities**

Title	Name	Phone Number Email Address	Responsibilities
Contractor Field Team Leader	KERAMIDA Field Technical Staff	(317) 685-6608 (Office)	<ol style="list-style-type: none"> 1. Before sampling, meet with KERAMIDA project manager to discuss and establish sampling purposes, sampling methodology, number of samples, size of samples, sample preservation methods, COC requirements, analyses required, and which samples will be duplicated in the field. 2. Be responsible for collection of equipment needed for property assessment work, which would include personal protective equipment (PPE), sampling equipment, sample containers and coolers, water-level meters, monitoring devices, and any other equipment deemed necessary. 3. Perform groundwater sampling and surface water sampling activities. 4. Monitor hazardous conditions while conducting field operations. 5. Submit COC records and field paperwork to field team leader.
Laboratory Quality Assurance Officer (include Laboratory Name)	Beth Schrage, Quality Manager, Pace Analytical Services, Inc.	(317) 228-3116 Beth.Schrage@pacelabs.com	<ol style="list-style-type: none"> 1. Responsible for evaluating adherence to policies and ensuring systems are in place to provide QA/QC as defined in the QAPP. 2. Initiate and oversee audits of corrective action procedures. 3. Perform data reviews. 4. Maintain documentation of training.

2.0 BACKGROUND

2.1 Site or Sampling Area Description

The Site encompasses approximately 40 acres of land, including and surrounding a former borrow pit, to the northeast of the intersection of Grape Road and Douglas Road in Section 28, Township at 38 North, Range 3 East, north of South Bend in Saint Joseph County, Indiana. The Site is bordered to the north by the Indiana Toll Road (Interstate Highways 80 and 90), to the south by Douglas Road and residential and commercial properties, to the west by undeveloped land and to the east by an apartment complex and a shopping center. In 1999 the U.S. EPA acquired an additional 16 acres of land in order to construct an artificial wetland. The Site is fenced and is approximately 1,800 feet north from Juday Creek. The Site includes one small building, an unlined landfill, a constructed wetlands treatment system, a landfill gas extraction system, a landfill gas monitoring system, a groundwater extraction system, and a landfill cover system. The specific location of the site is shown in Figure 1.

2.2 Operational History

The Douglas Road Landfill Superfund Site was originally a sand and gravel pit excavated to provide materials for highway construction in the early 1950's. The Uniroyal Plastics Company, Inc. (UPC) leased the gravel pit between 1954 until it closed in December 1979. UPC used the landfill from

1954 to 1970 to dispose of (by burning) solvents, fly ash, paper, wood stock, rubber and plastic wrap, waste oil mixtures and trash. The practice consisted of the transportation of drummed materials to the landfill, emptying the drums into the excavation, and burning the wastes deposited that day. UPC estimates that 302,400 gallons of Resource Conservation and Recovery Act (RCRA) hazardous waste were disposed of at the landfill. These wastes included methyl ethyl ketone, acetone, tetrahydrofuran, toluene, hexane, and xylenes.

In 1970, the Indiana Stream Pollution Control Board requested that UPC cease disposing of solvents at the landfill in response to the suspected contamination of a nearby residential well. From 1971 to 1979, only fly ash and scrap rubber were landfilled at the Site. Intermittent sampling was conducted at six monitoring wells at the perimeter of the site from 1971 until 1980. No groundwater contamination was detected at any of these locations. The landfill was subsequently capped with topsoil, sand, and vegetation and officially closed in 1980.

Soil sampling conducted during the Remedial Investigation (RI) in 1994 indicated that volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, dioxins, and metals were present at the Site. The results of the investigation also indicated that contaminants had been carried in the groundwater offsite at potentially dangerous levels for human health and the environment.

The United States Environmental Protection Agency (USEPA) began remedial action at the Site in February of 1999 by removing vegetation from the landfill and wetland construction areas. The USEPA initiated operation and maintenance (O&M) of the remedial systems at the Site after construction activities were completed in September 2000. In October 2001, the IDEM assumed O&M responsibility for the landfill portion of the Site only. The IDEM and Ecology & Environment, Inc. personnel conducted these activities through September 2009. In July 2011, the IDEM also assumed O&M responsibility from the USEPA for the groundwater extraction and wetlands portions of the Site. The IDEM contracted with KERAMIDA to conduct the day to day O&M activities at the Site from 2009 through mid-2013. KERAMIDA resumed responsibility for the Site O&M responsibilities in late April 2014 and KERAMIDA has performed professional services at the Site since that time.

2.3 Previous Investigations/Regulatory Involvement

The history of regulatory involvement and investigatory measures is as follows:

- Proposal to include the site on the National Priority List (NPL) (6/86)
- Classification on NPL finalized (3/89)
- UPC signs consent decree with the State of Indiana to perform a Remedial Investigation/Feasibility Study (RI/FS) (9/89);
- UPC files for bankruptcy and work ceases at the Site (11/91);
- EPA funded RI begins at Site (8/94);
- Record of Decision (ROD) for Operation Unit (OU) 1 calling for multi-layer landfill cap (7/95);
- ROD for OU 2 calling for groundwater extraction and treatment through construction of an artificial wetland (5/96);
- Extension of city water to approximately 93 homes potentially impacted by groundwater contamination from the Site (8/94-6/96);

- Remedial designs for OU 1 and OU 2 approved by EPA (9/96);
- On-Site remedy construction (2/99-11/99);
- Pumping initiated from EXT-5 to provide water for wetland (1999)
- Regrading and replanting of wetlands (5/00-6/00);
- Initiation of full scale groundwater extraction system (3/26/02).
- Landfill gas system begins to collect (9/02)
- The U.S. EPA completes the first Five-Year Review of the Site (9/02)
- The State of Indiana takes over the operation and management of OU-1 (11/03)
- Extraction from EXT-5 is ceased (5/04)
- Sampling from Juday Creek ends (5/04)
- Offsite Geoprobe investigation of contaminant plume is completed (3/06)
- Extraction from EXT-2 is ceased (8/06)
- Extraction from EXT-5 is resumed (8/06)
- Site contractor is changed to SulTRAC (8/06)
- The U.S. EPA completes the second Five-Year Review of the Site (9/07).
- IDEM changes site contractor from Ecology & Environment Inc. to KERAMIDA Environmental Inc. (9/09)
- Perforated well casing requires EXT-2 to be shutdown (6/11)
- The State of Indiana assumes responsibility for the operation and management of OU-2 (7/11)
- High water levels in the wetlands system require extraction wells EXT-1 and EXT-5 to be shut down (9/11-10/11)
- SSC requires IDEM to assume responsibility for operation and management of the Site (11/11)
- A detailed survey of the perimeter drainage system is conducted (1/12)
- Constructed wetlands treatment and groundwater extraction systems shut down to determine if the aquifer meets the Record of Decision (ROD) cleanup criteria (2/15)

2.4 Geological Information

The Site is located on sand and gravel outwash inter-bedded with clay till. These deposits were formed during the Wisconsin glacial event by the Saginaw Lobe. Irregular and scoured along its surface, the clay till ranges from 600 to 675 feet in elevation, dipping gradually toward the northwest, and separates the gravel and sand outwash throughout the area into two distinct layers. An additional layer of clay is also present at the Site in direct contact with the bedrock. These sand, gravel, and clay deposits range from 30 to 200 feet in thickness in the area underlying the Site. Soils at the surface of the landfill include sandy loam intermixed with gravel, fly ash, coal and sand.

The St. Joseph Aquifer System is the primary aquifer in the area of the Site. It is composed of unconfined sand and gravel underlain by a layer of clay till which separates it from an artesian sand and gravel aquifer. The clay till layer ranges in depth from 40 to 120 feet below grade. Groundwater flow is predominantly west and southwest towards the St. Joseph River. The aquifer is generally recharged by direct precipitation and some parts of the upper unconfined aquifer may discharge to local tributaries. Juday Creek is located approximately 2,000 feet to the south and a wetland area 4,000 roughly 4,000 feet to the west of the Site. There are no surficial bodies of water on the Site, though aerial photographs indicate that several ponds formerly existed there.

Groundwater is typically encountered at the Site between 10 and 20 feet below the surface. The shallow monitoring wells at the site are screened at approximately 15 to 30 feet below the ground surface in a layer composed predominately of brown sand. Intermediate monitoring wells, screened at 35 to 55 feet below the surface, draw from brown sand and gravel and are not separated by a confining layer from the shallow wells. A 5 to 15 foot thick layer of silty clay separates these wells however, from the deep monitoring wells installed at the Site. The latter are screened at 90 to 100 feet below the surface in gray sand and gravel.

Based on historical gauging data, the groundwater flow is generally to the southwest. See Figure 2 for a potentiometric map of groundwater flow at the site based on gauging data collected during the sampling event on April 12, 2016.

2.5 Environmental and/or Human Impact

According to the RI report prepared by CH2M HILL using the risk assessment guidance for Superfund, the combined pathways of carcinogenic risk for all groundwater exposure at the site initially ranged from 1.3×10^{-3} or 1 in 1,300 for residential children to 1.8×10^{-3} 1 in 3,800 for residential adults. Combined non-carcinogenic risks for ingestion, dermal contact, and inhalation had a hazard index scores ranging from 2.06 for occupational adults to 11.72 for residential children. These levels of risks were sufficient to justify remediation.

Possible exposure pathways identified by the RI, considering future development of the area surrounding the Site, included dermal absorption, inhalation, and ingestion of contaminants from the soil as well as ingestion of groundwater and dermal absorption and inhalation of volatiles released from the groundwater. The Site is approximately 1 ½ miles northeast of the St. Joseph River and, at the time, it was ½ mile up-gradient from private residential drinking water wells and a state designated wellhead protection area for the City of Mishawaka. Groundwater samples collected during the remedial investigation at the Site were contaminated with VOCs at up to 15,000 ppb, SVOCs at 29 ppb, and metals at 15 ppb. Samples taken from nearby residential wells were contaminated with VOCs at levels up to 110 ppb. Drinking water was and continues to be drawn from the St. Joseph Aquifer System by nearby municipalities such as South Bend, IN and Mishawaka, IN.

The ecology at the Site is shaped by its location on a former agricultural field and by the commercial and residential buildings nearby. Wildlife habitat at the site is limited primarily to the artificial wetland system and the less developed areas to the west. Vegetation consists of woody species such as box elder, black cherry, honeysuckle, dogwood, and willow as well as various grasses, shrubs, and wetland species including bedstraw, mullein, goldenrod, and horsetail. A variety of mammal species ranging from whitetail deer and woodchucks to red-winged blackbirds and prairie voles were listed as potentially occurring at the site.

Contaminated soil was identified by the RI report as a source of stress and the major route of contaminant uptake for species at the Site. The ecological risks posed by the contamination onsite varied widely depending on the species, metal, and/or volatile compound in question. A detailed analysis of the interaction between existing contaminants and the plant and animal species at the Site is provided in the RI report.

3.0 PROJECT DATA QUALITY OBJECTIVES

3.1 Project Objectives and Problem Definition

The purpose of the Site investigation is to minimize the threat of human and environmental exposure to Site contaminants. The scope of work was established by IDEM Contract, dated November 25, 2015.

Data from the investigation will be used to determine whether there are potential impacts associated with identified contaminants, if additional solutions exist for any remedial activities, and if cleanup standards are achieved. Groundwater samples will be collected on a semi-annual basis and analyzed for VOCs, arsenic, lead, and iron. Wetland influent and effluent samples will be collected on a monthly basis, if the groundwater extraction system is operational, and analyzed for VOCs, arsenic, lead, and iron as well as biological oxygen demand (BOD). An eight-hour air sample from the landfill gas extraction system exhaust will be collected on a quarterly basis and analyzed for VOCs.

3.2 Data Quality Objectives (DQOs)

DQOs are qualitative and quantitative statements that clearly state the objective of a proposed project, define the most appropriate type of data to collect, determine the appropriate conditions for data collection, and specify acceptable decision error limits that establish the quantity and quality of data needed for decision making. The DQOs are based on the use of the data that will be generated. Different data uses may require different quantities of data and levels of quality. Refer to Section 1.4 in the QAPP, as updated, for additional information about the DQOs established for the Site.

3.3 Data Review, Validation, and Management

KERAMIDA field technical staff members will manage raw data during field activities. Data such as pH readings will be recorded on the appropriate field forms (examples of which are located in Appendix 4 of the QAPP) or in field logbooks. The KERAMIDA data manager will periodically collect data gathered during assessment activities in order to maintain results. As appropriate, the KERAMIDA data manager will coordinate transfer of raw data to computer formats such as Microsoft® Excel or Microsoft® Access to better organize and track incoming data. This will enable the KERAMIDA data manager to identify any data gaps. Any flaws in field Quality Assurance/Quality Control (QA/QC) will be brought to the attention of the KERAMIDA QA manager.

The laboratory project manager will be responsible for laboratory data management. Pace procedures for data review and data reporting are discussed in the Pace QA Manuals, located in Appendix 3 of the QAPP. Analytical data reports generated by Pace will present all sample results, including all QA/QC samples. The QA/QC information to be provided by Pace will include:

- Completed Chain-of-Custody
- Case narrative describing any deviations from the established methods and any QA/QC problems encountered during the project
- Correlation between field sample identifiers and laboratory sample identifiers
- Sample extraction and analysis methods
- Tuning results for BFB (VOC)
- Initial calibration data and results

- Continuing calibration data and results
- Method blank results
- Laboratory control sample results w/ %Rec
- Quantitation limits for each compound
- Surrogate results w/ %Rec
- Matrix spike/matrix spike duplicate results w/ %Rec and %RPD
- Raw data for each sample, duplicate, blank, matrix spike, matrix spike duplicate, and laboratory control sample

All data, including QA/QC results, will become part of the project files and will be maintained by the KERAMIDA data manager. Upon report delivery, KERAMIDA personnel will analyze laboratory data in accordance with accepted statistical methodologies and will be supervised by the KERAMIDA data manager. The methods, results, and findings of the sampling will be documented and submitted to the IDEM in accordance with the Contract. Reports will include a comparison of Site findings to the identified Site specific screening levels (SLs) as appropriate. The reports will include conclusions and recommendations for appropriate actions relative to the Site.

All samples will be collected using a Level IV DQO and DV will be performed on all samples/media collected and submitted to the laboratory for analysis. The 2016 QAPP update contains further information about the data quality practices that have been established for the Site.

4.0 SAMPLING RATIONALE

4.1 Groundwater Sampling

Semi-annual groundwater samples will be collected from the network of 36 monitoring wells installed at the Site and the operational groundwater extraction system wells. The groundwater monitoring wells are classified as either shallow, intermediate, or deep depending on the depth of the layer from which they draw water. The shallow wells onsite are screened at depths ranging from 15 to 30 feet below the surface in a layer composed predominately of brown sand. Intermediate monitoring wells, screened at 35 to 55 feet below the surface, draw from brown sand and gravel. A 5 to 15 foot thick layer of silty clay separates these wells from the deep monitoring wells, which are screened at 90 to 100 feet below the surface in gray sand and gravel. Refer to Figure 3 for the locations of the groundwater monitoring wells.

Samples will be collected from as many of these locations as possible given existing Site and equipment conditions. Taken together, the wells in the monitoring network present a picture of contamination and groundwater flow in each of the major water-bearing, sub-surface layers at the Site – facilitating inferences about the sources and probable destinations of various contaminants.

Groundwater samples will be analyzed for volatile organic compounds (VOCs), total arsenic, iron, and lead. These contaminants have been identified as contaminants of concern with the potential to negatively impact human health and the environment through off-Site migration into private wells and surficial bodies of water. Regular monitoring of the degree to which these contaminants are present in groundwater at the Site is essential if progress toward the cleanup goals is to be assessed.

The groundwater data will be compared against the Site Closure Goals shown in Table 4-1.

Table 4-1: Contaminants of Concern and Action Levels
Matrix = Groundwater (GW)

Parameter	Remedial Goals (µg/l) ¹
Arsenic	5.0
Iron	1,000
Lead	NA
1,1-Dichloroethane	3,530
1,2-Dichloroethane	1
Benzene	2.8
Chloroethane	2,085,700
Trichloroethene	5
Vinyl Chloride	1

¹CH2M HILL. (January, 1997). *Site Remedial Action: Final Design Submittal; Douglas Road Landfill, St Joseph County, Indiana*. WA No. 108-5L2H/Contract68-W8-0400.

4.1.1 Monitoring Well Evaluation, Rehabilitation, and Replacement

The monitoring well systems network should be evaluated periodically to determine if the wells are functioning properly. The depth of each well should be recorded each time a water sample is collected or a water-level measurement is taken. This data is useful in determining if the well is filling with sediment. When samples taken are turbid, this may be an indication that the well needs to be redeveloped.

Well tests, which can indicate changes in the integrity of the well or in situ changes. Potentiometric surface maps should be plotted and reviewed at least annually. This ensures that the wells continue to function at their location as they were intended. Wells with consistently low water levels year after year may need to be replaced; those with screen blockage from scale, bacteria, etc., can be treated to remove the blockage.

Well redevelopment should be conducted when a well has deteriorated beyond the point when maintenance programs will resolve the decrease in yield. If well rehabilitation cannot restore the quality of the sample, the well should be properly abandoned according to applicable rules and regulations, and a new well should be constructed.

The following issues were noted during recent groundwater sampling events precluding the ability to obtain samples.

- MW-04S – well does not have a pump
- MW-09S – well was dry
- MW-11S - pump tubing was disconnected and cannot be repaired
- MW-05I – unable to draw water from the pump
- MW-13S – well was dry
- MW-14I – well was dry

The monitoring well network appears to be in good condition with the exception of issues noted.

4.2 Wetland Treatment System Water Sampling

The Groundwater Extraction System (GES) consists of five extraction wells (EXT), EXT-1 through EXT-5, equipped with submersible groundwater pumps and connected to associated process piping, valves and controls. All the EXTs are connected via manifold and the piping runs underground to the Site's constructed wetlands treatment system. Refer to Sheet 8 for the locations of the EXTs. The constructed wetlands treatment (wetland) system consists of four cells, of which three are lined, surface-flow wetlands that total 8.8 acres and the fourth is a 1.8-acre, unlined infiltration basin. GES discharge as well as precipitation for the entire 30-acre Site is directed into the wetland treatment system. All wetland treated water was designed to be discharged back into the environment via two mechanisms: 1) through the wetland system's infiltration basin, and/or 2) into the City of Mishawaka storm sewer system that discharges into a filter strip near Juday Creek. Refer to Sheet 4 for a layout of the system.

If the Groundwater Extraction System (GES) is operational, influent and effluent samples from the wetlands treatment system will be collected on a monthly basis. The wetland treatment system was designed to collect and treat precipitation at the Site and the discharge from the GES. The samples are collected in order to determine if the system is functioning as intended and if effluent from the Site is a threat to human and/or environmental health. The monthly influent sample will be taken at the north end of wetland one and the effluent sample will be taken near the wetland treatment system's infiltration basin at the end of the floating dock on the northern portion of the eastern treatment cell as shown on Figure 4. Taking the sample at the end of the dock makes it more likely that it is representative of the water in the treatment pond as a whole rather than an isolated, stagnant area near the shore.

These samples will be analyzed for BOD as well as volatile organic compounds (VOCs), total arsenic, iron, and lead. Monitoring the degree to which these compounds are present in effluent from the wetland will assist in determining the effectiveness of the treatment system. BOD is closely connected to the functioning of the wetland system and will therefore be tested as well.

The effluent samples will be compared to the effluent discharge limits listed in Table 4-2.

Table 4-2: Contaminants of Concern and Action Levels
Matrix = Surface Water (SW)

Parameter	Proposed Effluent Discharge Limit (µg/l) ¹
BOD	Not Listed
Arsenic	5.0
Iron	Not Listed
Lead	Not Listed
1,1-Dichloroethane	90.0
1,2-Dichloroethane	5.0
Benzene	5.0
Chloroethane	Not Listed
Trichloroethene	5.0
Vinyl Chloride	2.0

¹ SulTRAC. (June, 2011). *Long-Term Remedial Action Performance Report – 2010 through 2011 Operating Year: Douglas Road Landfill Superfund Site: Mishawaka, Indiana*. Prepared for the U.S. EPA. Project Manager, William Earle.

4.3 Landfill Gas Monitoring and Sampling

The LFG collection system consists of a vacuum extraction blower with associated process piping, valving and controls (Blower System), equipment shed, and 15 LFG collector vent wells: LG-1 through LG-15 (Vent Wells). All the Vent Wells are currently connected to the Blower System. Refer to Sheets 7 and 8 for a layout of the LFG Collection System components.

An eight-hour time weighted air sample will be collected from the exhaust vent of the LFG system. The sample will be analyzed by the laboratory using method TO-15 for VOCs. Monitoring at this location is conducted to evaluate the effectiveness of the LFG system and Site compliance with state and federal regulations. Adjustments to the LFG Collection System based on these results will be made, if necessary, in order to maximize gas capture.

The LFG monitoring network consists of 18 LFG monitoring probes, GM-1 through GM-18 (Monitoring Probes). Refer to Sheets 7 and 8 for a layout of the LFG Monitoring System components.

The Monitoring Probes require quarterly monitoring for methane, carbon dioxide, and oxygen levels (measured in percent). Monitoring is conducted using a GEM-2000. Monitoring is conducted to evaluate trends in gas migration and to document compliance with state and federal regulations. Results are also used to determine if adjustments are needed in the LFG Collection System to maximize gas capture to ensure the safety of the surrounding public. State regulations (329 IAC 10) require that the concentration of methane gas be less than or equal to 1.25% for on-Site structures and less than or equal to 5% at the Monitoring Probes located at the Site boundary.

5.0 REQUEST FOR ANALYSES

The fixed base laboratory selected for the surface and groundwater analytical work required for this project is Pace Analytical Services, Inc. (Pace) located in Indianapolis, Indiana. Pace Indy is NELAC certified (Certification No. E-10247). Mr. Karl Anderson is the Pace Indianapolis laboratory director and Ms. Beth Schrage the QA Manager. Ms. Carolynne Trout will serve as the Pace project manager.

The fixed base laboratory selected for the air analytical work required for this project is Pace Analytical Services, Inc. (Pace) located in Minneapolis, Minnesota. Pace Minneapolis is NELAC certified (Certification No. 1004041). Ms. Sarah Cherney is the Senior General Manager of the lab and Ms. Melanie Ollila is the laboratory QA Manager. Mr. Kenneth Hunt will serve as the Pace project manager. He will be ultimately responsible for ensuring the quality of the laboratory data.

In order to preserve the integrity of samples both before and during analyses, specific analytical methods and requirements for those methods will be followed. Samples will be collected, prepared, and analyzed in accordance with the analytical methods outlined in Pace's SOPs (QAPP Appendix 3). Pace Indianapolis will coordinate analytical services for surface and groundwater for this assessment. Pace Minneapolis will coordinate analytical services for air for this assessment. Preparatory methods for analytical parameters are discussed in the laboratory SOPs included in Appendix 3 of the QAPP.

The laboratory conducting the analysis will provide all sample containers and preservatives for this project. Sample containers for groundwater VOC and metals analysis will be pre-preserved with acid by the laboratory. All sample containers supplied by the laboratory will be cleaned according to U.S. EPA standards. QC documentation will be supplied with the sample containers and preservatives in order to verify their purity. The containers and preservatives can be traced back to their certificate of analysis from their lot number. The QC documentation/certificate of analysis shall be maintained on file with the laboratory. Additionally, the laboratory shall provide the field team with trip blanks for VOC analysis and laboratory-grade de-ionized (DI) water for rinsing field equipment and instruments.

6.0 FIELD METHODS AND PROCEDURES

6.1 Field Equipment and Calibration

Measuring and test equipment used in the field and laboratory will be subjected to a formal calibration program. The program will require equipment of the proper type, range, accuracy, and precision to provide data compatible with the specified requirements and the desired results. Calibration of measuring and test equipment may be performed internally using in-house reference standards, or externally by agencies or manufacturers.

The responsibility for the calibration of laboratory equipment rests with the laboratory performing the work. KERAMIDA field personnel are responsible for the calibration of KERAMIDA field equipment and field equipment provided by subcontractors.

Documented and approved procedures will be used for calibrating measuring and testing equipment. Widely accepted procedures, such as those published by U.S. EPA and American Society for Testing

and Materials (ASTM), or procedures provided by manufacturers in equipment manuals will be adopted.

Calibrated equipment will be uniquely identified by the manufacturer's serial number, a KERAMIDA equipment identification number, or by other means. This identification, along with a label indicating when the next calibration is due (only for equipment not requiring daily calibration), will be attached to the equipment. If this is not possible, records traceable to the equipment will be readily available for reference. It will be the responsibility of all equipment operators to check the calibration status from the due date labels or records prior to using the equipment.

Measuring and testing equipment will be calibrated at prescribed intervals and/or as part of operational use. Frequency will be based on the type of equipment, inherent stability, manufacturer's recommendations, values given in national standards, intended use, and experience. Equipment will be calibrated whenever possible using reference standards having known relationships to nationally recognized standards or accepted values of physical constants. If national standards do not exist, the basis for calibration will be documented.

Physical and chemical reference standards will be used only for calibration. Equipment that fails calibration or becomes inoperable during use will be removed from service, segregated to prevent inadvertent use, and tagged to indicate the fault. Such equipment will be recalibrated and repaired to the satisfaction of the laboratory personnel or KERAMIDA field personnel, as applicable. Equipment that cannot be repaired will be replaced.

Records will be prepared and maintained for each piece of calibrated measuring and test equipment to document that established calibration procedures have been followed. Records for subcontractor field equipment and KERAMIDA equipment used only for this specific project will be kept in the project files. Each laboratory will maintain their calibration records.

Instruments used to gather, generate, or measure field environmental data will be calibrated with sufficient frequency and in such manner that accuracy and reproducibility of results are consistent with the manufacturer's specifications. Field measurement instruments will include pH meters, conductivity meters, and temperature probes. As applicable, field instruments will be calibrated daily prior to use. The calibration will be consistent with the standard procedure.

Calibration procedures will be documented in the field logbook and field sampling sheets. Documentation will include the following:

- Date and time of calibration
- Identity of the person performing the calibration
- Reference standard used, if applicable
- Reading taken and adjustments to attain proper reading
- Any corrective action.

See Table 6-1 for a list of sampling equipment, materials and usage practices.

Table 6-1: Field and Sampling Equipment

Description of Equipment	Material (if applicable)	Dedicated (Yes/No)
Solinist Water Level Indicator	N/A	No
pH Meter	N/A	No
Conductivity Meter	N/A	No
Horiba U-22 Multi-parameter Meter	N/A	No
QED Micropurge 10 (MP-10)	N/A	No
Car Battery	Lead, acid, plastic	No
Tubing	Polyethylene (PE)	No
Sampling Kit (socket wrench, screwdriver, crowbar, 5 gallon purge buckets, distilled water, phosphate-free soap, decontamination spray bottle, nitrile gloves)	Hardened steel, plastics	No

Site-specific calibration protocols are presented in Table 6-2.

Table 6-2: Field Equipment/Instrument Calibration, Maintenance, Testing, and Inspection

Analytical Parameter	Field Equipment/Instrument	Calibration Activity and Frequency	Maintenance & Testing/Inspection Activity	Acceptance Criteria	Corrective Action
pH	pH Meter	Calibrate beginning and end of each day, and as necessary during use.	Replace electrodes as needed.	pH readings must be within 0.1 of the calibration standards	
Conductivity	Conductivity Meter	Calibrate at the beginning and end of each day, and as necessary during use.	Check recline and replace batteries if does not calibrate.		
pH, dissolved oxygen, conductivity, salinity, total dissolved solids, seawater specific gravity, temperature, turbidity, water depth, oxidation reduction potential	Horiba U-22 Multi-parameter Meter	<ol style="list-style-type: none"> Meter will be calibrated by the instrument rental company prior to receipt by KERAMIDA. Calibration record sheet will be kept on project file. Water quality meter operating manual will be reviewed for proper use and calibration checks. Confirm the meter is operational by powering on and check the calibration using standard solutions provided with the instrument. Field bump test at the beginning and the end of the day. Measure the provided standard buffers, and/or the one point custom buffer. Compare field readings with historical site readings, if available. If at any time the field readings are significantly different from the historical readings, bump test the meter. 	<p>Change batteries as necessary.</p> <p>pH readings must be within 0.1 of the calibration standards</p> <p>If the field readings continue to be significantly different than the historical readings after bump testing, immediately contact the project manager to discuss. Use of a replacement meter may be necessary.</p>	<p>Recalibrate with the water quality meter operator's manual calibration procedure and/or make arrangements for a replacement meter if bump tests do not meet the acceptance criteria.</p>	

6.2 Water Sampling

6.2.1 Wetland Treatment System Water Sampling (Monthly)

The constructed wetlands treatment system consists of four cells, of which three are lined, surface-flow wetlands that total 8.8 acres and the fourth is a 1.8-acre, unlined infiltration basin. GES discharge as well as precipitation for the entire Site is directed into the wetland system. All wetland treated water was designed to be discharged back into the environment through the wetland system's infiltration basin, and/or into the City of Mishawaka storm sewer system that discharges into a filter strip near Juday Creek.

When the wetland treatment system is in operation, water samples will be collected on a monthly basis from the eastern treatment cell and the discharge side of the wetland treatment system. At minimum, the following documents will be submitted with the samples: field data sheets, chain-of-custody, and laboratory analytical sample submission paperwork. The collection and submission of the samples to the laboratory will be conducted using a Level IV data quality objective (DQO). The analytical results will be compared to the proposed effluent discharge limits listed in the monthly reporting tables for reference. Following receipt of the laboratory analytical report, data validation (DV) will be performed and the laboratory analytical results and DV summary will be compiled and included in a quarterly report. Based on the analytical results, KERAMIDA will use the proposed effluent discharge limits to provide an environmental evaluation of the wetland water conditions.

The infiltration grab sample will be collected from the end of the floating dock on the northern portion of the eastern treatment cell while the effluent grab sample will be collected on the discharge side of the wetland treatment system. The samples from these two locations will be analyzed for BOD, VOCs, and total arsenic, iron, and lead.

The samples will be collected directly into pre-preserved (if required) laboratory supplied bottles. The bottles will be plunged into the water, mouth down, and filled 6 to 12 inches below the surface of the water. If the bottle contains a preservative which might escape during the collection process, then a sterile container will be used to gather a sample instead. Water from this temporary, unpreserved container will then be immediately poured into the preserved container. Care should be taken throughout the sampling process to prevent any caps associated with the containers from becoming contaminated.

6.2.2 Groundwater Sampling (Semi-Annual)

Quarterly groundwater monitoring includes obtaining groundwater samples from the monitoring well network of 36 wells at the Site (including the extraction wells) and the inspection of the wells for damage. The extraction wells will not be sampled if the GES is shut down. Groundwater monitoring will be conducted on a semi-annual basis during the spring and fall quarters. Sampling and maintenance of the groundwater monitoring well network will include at a minimum: field data sheet collection/submission, chain-of-custody preparation/ submission, and laboratory analytical sample submission paperwork.

Prior to the initiation of sampling activities, the protective covers and J-plugs will be removed from the monitoring wells to allow the water levels to equilibrate for a minimum of 15 minutes. Water level and well depth measurements will then begin upgradient and/or at locations that are known to be clean and proceed downgradient from least to most contaminated wells. Gauging activities must be completed in the entire well network before sample collection is initiated. The depth to water will be measured to the nearest 0.01 foot on the north side of the top of the casing using an electronic water level indicator. Total well depths will be measured by lowering the probe to the bottom of the well and recording the depth to the nearest 0.1 feet. The total depth and depth to water will then be recorded on the Groundwater Sample Information Sheet associated with the well. Field meter probes will be decontaminated before and after use at each well.

Upon completion of the water level measurement activities, low-flow purging and sampling activities will be conducted. Each monitoring well, except MW-04S, is equipped with a dedicated bladder pump. A QED Micropurge 10 (MP 10) system consisting of a control box and compressor will be connected to the air supply port on the wellhead. Discharged groundwater will be directed through dedicated tubing to a Horiba™ U-22 multi-parameter water quality meter equipped with a flow cell. Purged groundwater will then be discharged from the flow cell into five gallon buckets. Static water levels will be measured continuously using a drawdown water level meter to insure drawdown of less than 0.3 feet during purging.

To determine when a representative sample can be obtained from a well, water quality parameter measurements will be recorded using a Groundwater Sample Information Sheet at three minute intervals after purging is initiated. Water quality will be considered stable if for three consecutive readings:

- Temperature (°C) range is no more than +/- 3%
- pH varies by no more than +/- 0.1
- Specific conductance (µmhos) readings are within +/- 3%

In addition, at least one of the following stabilization criteria must be met:

- Dissolved oxygen (mg/L) range within +/- 10%
- Oxidation reduction potential (mV) readings vary by no more than +/- 10%
- Turbidity (NTU) varies by no more than +/- 10%

If the well casing volume is known and the parameters fail to meet applicable stabilization requirements, a minimum of three casing volumes of water will be purged using the pump installed in and dedicated to the well that is being sampled. Purge volume can be estimated using the rate of flow or the water level in the purge bucket.

Casing volumes will be calculated based on total well depth, standing water level, and casing diameter. One casing volume will be calculated as:

$$V = \pi d^2 h / 77.01$$

where: **V** is the volume of one well casing of water (1ft³ = 7.48 gallons);
d is the inner diameter of the well casing (in inches);
h is the total depth of water in the well (in feet).

If water quality parameters are not stable after 3 casing volumes, purging will cease, which will be noted in the logbook, and ground water samples will be taken. If a well dewateres during purging and three casing volumes are not purged, that well will be allowed to recharge up to 80% of the static water column and dewatered once more. After water levels have recharged to 80% of the static water column, groundwater samples will be collected. The depth to water, water quality measurements and purge volumes will be entered in the logbook and/or groundwater sampling log sheets.

Once the water quality parameters are determined to have stabilized or the required volume has been purged, the discharge tubing will be disconnected from the flow cell and groundwater sampling will be initiated. Groundwater samples will be collected directly from the discharge tubing connected to the wellhead. Samples should be first collected for VOC analysis in order to minimize the effect of aeration on the water sample, followed by samples for dissolved metals (arsenic, iron and lead.) Samples for VOC analysis will be collected directly into 40 milliliter vials preserved with hydrochloric acid. All metals samples will be filtered through a 0.45 micron in-line capsule filter into plastic containers preserved with nitric acid. A clean, unused filter will be used for each filtered sample collected. If a duplicate sample is to be collected at the location, all bottles designated for a particular analysis for both sample designations will be filled sequentially before bottles for another analysis are filled.

Sample containers will be placed on ice in coolers at a temperature of 4°C (± 2°C) and shipped by overnight courier to Pace Analytical Services, Inc. in Indianapolis for analysis using a Level IV DQO. Following receipt of the laboratory analytical report, KERAMIDA will also perform DV and compile the laboratory analytical results and DV summary into each quarterly report. Based on the analytical results, KERAMIDA will use the data to provide an environmental evaluation of the groundwater conditions.

6.3 Landfill Gas Monitoring and Sampling (Quarterly)

The LFG monitoring network consists of 18 LFG monitoring probes, GM-1 through GM-18 (Monitoring Probes). Quarterly monitoring will be conducted using a GEM-2000. Monitoring is conducted to evaluate trends in gas migration and to document compliance with state and federal regulations. Results are also used to determine if adjustments are needed in the LFG Collection System to maximize gas capture to ensure the safety of the surrounding public, and to ensure compliance with the regulations. The Monitoring Probes require quarterly monitoring for methane, carbon dioxide, oxygen (measured in percent), and the Lower Explosive Limit (LEL).

In addition, KERAMIDA will collect one eight-hour time weighted air sample from the exhaust of the LFG extraction system. The LFG monitoring and sampling will include at a minimum: field data sheet collection/submission, chain-of-custody preparation/submission, and laboratory analytical sample submission paperwork. The sample will be collected on a quarterly bases using method Toxic Organic (TO) 15 and a Level IV DQO. A six-liter summa canister and 8-hour flow regulator calibrated by the laboratory will be used to collect the sample. The following procedures should be followed when collecting the sample:

- Verify all required equipment is included in the package received from the laboratory including the valve, brass cap, particulate filter, flow regulator, and moisture cane.
- Confirm that the valve is closed and verify the initial vacuum of each canister.
- Remove the brass cap from the canister and attach the flow controller.
- Attach the particulate filter to the flow controller and the moisture cane (if necessary).
- Open and close the valve quickly (a few seconds). No more than a half turn by hand is required to open the valve. Do not over-tighten the valve or it may become damaged. A damaged valve can leak and possibly compromise the sample.
- Read the gauge to determine the vacuum and record the reading on the "Initial Vacuum" column of the chain-of-custody form.
- Check or compare the lab's recorded vacuum with the vacuum measurements taken before the canister is used. If the vacuum difference from the lab's recorded value exceeds 4 Hg, the canister should not be used due to potential leaks.
- Monitor the canister as it fills. Note that the volume of an air sampled is a linear function of the canister vacuum. For example, halfway into an 8-hour sampling interval, the canister should be approximately half-filled and the gauge should read approximately 17 inches of mercury (in. Hg). More vacuum than 17 in. Hg indicates that the canister is filling too slowly; less than 17 in. Hg and the canister is filling too quickly. If the canister is filling too slowly, a valid sample can still be collected. If the canister is filling too quickly because of a leak or incorrect flow controller setting, corrective action can also be taken. Ensuring all connections are tight may eliminate a leak.
- Verify and record the final vacuum of the canister on the canister tag and the chain-of-custody at the end of the 8-hour period. There should be a partial vacuum left in the canisters at the end of sampling. If no vacuum exists, the sample should be marked on the chain of custody and the laboratory alerted.
- Close the valve by hand-tightening the knob clockwise. No more than a half turn by hand is required to open the valve. Do not over-tighten the valve after sampling or it may become damaged. A damaged valve can leak and possibly compromise the sample.
- Replace the brass cap.
- Fill out the sample tag attached to the canister and return the canister and all associated equipment to the laboratory in the box in which they were shipped.

6.4 Decontamination Procedures

Field sampling equipment should be decontaminated prior to and after each use to minimize the potential for cross-contamination. Sampling equipment requiring decontamination during this project includes monitoring well sampling pumps and electronic water level meters. At a minimum, any non-dedicated equipment will be cleaned before the start of each well location as follows:

- Don the appropriate personal protective equipment as determined by the Site-specific HASP to prevent exposure to skin, eyes, and respiratory system.
- Mix a solution of phosphate-free, biodegradable detergent (e.g., Alconox®) and distilled water and place in one bucket. Prepare a second bucket with distilled water only.
- Wipe contaminated sampling equipment with paper towels to remove residual soils or gross contamination. If necessary, heavy oils or grease may be removed with paper towels soaked with solvent (e.g., isopropanol, methanol, acetone, and hexane). Site-specific chemicals of concern should be considered when selecting solvent.
- If appropriate, disassemble sampling equipment (e.g., push-probe samplers, sample pumps, and reusable bailers). Wash equipment thoroughly with phosphate-free, biodegradable detergent and distilled water solution. Use scrub brushes and agitate for best results. Do not wind contaminated water level meter and oil/water interface tape and probe onto spool prior to decontamination.
- Double rinse by pouring fresh distilled water over the equipment into a second bucket for collection.
- If practical, allow the equipment to air dry before its next use or storage. If a clean piece of equipment is not to be immediately used, it will be covered with aluminum foil, plastic or in a clean carrying case or container that will protect it from extraneous contamination.
- If any equipment is dropped or otherwise touches the ground or other potentially contaminated surface, it must be decontaminated prior to use. Said decontamination would consist of a non-phosphate detergent rinse, followed by a triple rinse of potable water until all visible signs of detergent rinse are removed.
- Decontamination water should be containerized, labeled, and disposed of in accordance with the SAP, QAPP, and/or KERAMIDA's SOP for Management of Investigation Derived Waste. Decontamination solution shall not be disposed of by pouring it on the ground surface unless the method has been approved in writing by the regulatory agency. The generation of solvent rinse waters should be minimal in field decontamination and should be collected in separate containers for disposal.
- Note any discrepancies from standard decontamination procedures in the logbook per KERAMIDA's Field SOP for Note Taking and Log Book Entries.

7.0 CONTAINERS, PRESERVATION, PACKAGING AND SHIPPING

The number and type of sample containers, volumes, and preservatives are summarized below for each of the types of samples.

7.1 Groundwater Sampling

The containers will be pre-cleaned and preserved as necessary by Pace Analytical Services prior to being shipped. All samples will be placed in a cooler and chilled with ice to approximately 4°C immediately upon collection. The samples will be held at this temperature in a secure location until they are shipped.

The groundwater sample containers will be placed in securely fastened coolers for shipping to the laboratory. Each container will be placed in a zip-locked plastic bag and packed into a cooler. The cooler should be lined with plastic (e.g. a trash bag) before the samples are moved to prevent it from leaking during shipment. Seal the drain plug of the cooler with tape as an added precaution to

contain melting ice. When glass containers are shipped, bubble-wrap packing sleeves should be used to prevent them from breaking. The bottom of the cooler can also be lined with bubble wrap to absorb shocks. Paperwork that is associated with the samples (e.g. chain-of-custody) should be placed in a plastic bag at the top of the cooler. Once the cooler is packed, the lid will be secured with several bands of tape.

The number and type of sample containers, volumes, and preservatives required for the ground water samples are summarized in Table 7-1.

**Table 7-1: Analytical Method, Containers, Preservation, and Holding Times Requirements
Matrix = GW**

Analytical Parameter and/or Field Measurements	Analytical Method Number	Containers	Preservation Requirements	Maximum Holding Times
Water Metals	SW 846 Method 6010B	500 ml plastic	Cools to 4° C HNO ₃ to pH <2	6 months
Water VOCs	6000/7000	3 – 40 ml level 2 glass vials	Cool to 4° C HCl to pH <2	14 days

7.2 Wetland Treatment Systems Sampling

The containers will be pre-cleaned and preserved as necessary by Pace Analytical Services prior to being shipped. All samples will be placed in a cooler and chilled with ice to approximately 4°C immediately upon collection. The samples will be held at this temperature in a secure location until they are shipped.

The sample containers will be placed in securely fastened coolers for shipping to the laboratory. Each container will be placed in a zip-locked plastic bag and packed into a cooler. The cooler should be lined with plastic (e.g. a trash bag) before the samples are moved to prevent it from leaking during shipment. Seal the drain plug of the cooler with tape as an added precaution to contain melting ice. When glass containers are shipped, bubble-wrap packing sleeves should be used to prevent them from breaking. The bottom of the cooler can also be lined with bubble wrap to absorb shocks. Paperwork that is associated with the samples (e.g. chain-of-custody) should be placed in a plastic bag at the top of the cooler. Once the cooler is packed, the lid will be secured with several bands of tape.

The number and type of sample containers, volumes, and preservatives for the wetland treatment system influent and effluent samples are summarized in Table 7-2.

**Table 7-2: Analytical Method, Containers, Preservation, and Holding Times Requirements
Matrix = SW**

Analytical Parameter and/or Field Measurements	Analytical Method Number	Containers	Preservation Requirements	Maximum Holding Times
Biological Oxygen Demand (BOD)	EPA 405.1/SM 5210	500 ml plastic	Cools to 4° C	48 hours
VOCs	SW 846 Method 8260B	3 – 40 ml level 2 glass vials	Cool to 4° C HCl to pH <2	14 days
Water Metals	SW 846 Method 6010B	500 ml plastic	Cools to 4° C HNO ₃ to pH <2	6 months

7.3 Landfill Gas Monitoring and Sampling

Air samples from the LFG extraction system exhaust vent will be collected using six-liter polished stainless steel SUMMA® canisters with calibrated flow controllers that are cleaned, certified, and evacuated prior to sampling by the laboratory. During the collection process, the canisters will be securely positioned. The samples will be collected at an approximate height of five feet, under normal conditions for a period of eight hours. At the completion of the sampling duration, the canisters will be closed and sealed with brass Swagelok® caps.

The container will be placed in a zip-locked plastic bag and placed in securely fastened cooler for shipping to the laboratory. The cooler will be lined with plastic (e.g. a trash bag) prior to the placement of the sample to prevent it from leaking during shipment. The drain plug of the cooler will be sealed with tape as an added precaution to contain melting ice. The bottom of the cooler can also be lined with bubble wrap to absorb shocks. Paperwork that is associated with the sample (e.g. chain-of-custody) should be placed in a plastic bag at the top of the cooler. Once the cooler is packed, the lid will be secured with several bands of tape.

The number and type of sample containers, volumes, and preservatives for the LFG extraction system exhaust samples are summarized in Table 7-3.

**Table 7-3: Analytical Method, Containers, Preservation, and Holding Times Requirements
Matrix = GAS**

Analytical Parameter and/or Field Measurements	Analytical Method Number	Containers	Preservation Requirements	Maximum Holding Times
Air VOCs	TO-15	6 Liter Summa Canister	None	14 Days

8.0 DISPOSAL OF RESIDUAL MATERIALS

In the process of collecting environmental samples, the sampling team will generate different types of potentially contaminated investigation-derived waste (IDW) that include the following:

- Personnel protective equipment (PPE) - This includes disposable coveralls, gloves, booties, respirator canisters, splash suits, etc.
- Disposable equipment and items - This includes plastic ground and equipment covers, aluminum foil, PVC bailers, rope, conduit pipe, composite liquid waste samplers (COLIWASAs), Teflon® tubing, broken or unused sample containers, sample container boxes, tape, etc.
- Groundwater obtained through well development or well purging.
- Cleaning fluids such as decontamination water.

The EPA's National Contingency Plan (NCP) requires that management of IDW generated during sampling comply with all applicable or relevant and appropriate requirements (ARARs) to the extent practicable. In addition, other legal and practical considerations that may affect the handling of IDW will be considered.

During the generation of both non-hazardous and hazardous IDW, hazardous IDW should be kept segregated from non-hazardous IDW to minimize the volume of hazardous IDW that must be properly managed. The determination that waste is either hazardous or nonhazardous is based on either clear regulatory guidance or subsequent analysis. This determination and subsequent management is the responsibility of the project manager.

Listed below are the procedures that should be followed when handling IDW. Table 8-1, found at the end of this section, summarizes the types of IDW commonly generated during field investigations and the current disposal practices for these materials.

8.1 Management of Non-Hazardous Waste

If the waste is from an active facility, permission should be sought from the operator of the facility to place the non-hazardous PPE, disposable equipment, and/or paper/cardboard into the facilities' dumpsters. If necessary, these materials may be placed into municipal dumpsters, with the permission of the owner. These materials may also be taken to a nearby permitted landfill. On larger studies, waste hauling services may be obtained and a dumpster located at the study site.

Disposal of non-hazardous IDW such as purge or development water, decontamination wash water, etc. will be coordinated with either Liquid Waste Removal (LWR) or Heritage Environmental Services (Heritage); both are licensed waste haulers. If waste is transported off site for treatment/disposal, these materials will be placed into a unit with an environmental permit, such as a landfill or sanitary sewer. These materials must not be placed into dumpsters. Non-hazardous monitoring well purge or development water may be poured onto the ground down gradient of the monitoring well when site conditions permit. Purge water from private potable wells which are in service may be discharged directly onto the ground surface.

The minimum requirements for this subsection are:

- Non-hazardous liquid and soil/sediment IDW may be placed on the ground or returned to the source if doing so does not endanger human health or the environment or violate federal or state regulations. Under no circumstances, however, should monitoring well purge water be placed back into the well from which it came.
- Soap and water decontamination fluids and rinseates of such cannot be placed in any water bodies and must be collected and disposed of properly.
- All IDW that is to be stored for any period of time shall be containerized in a DOT approved 55-gallon drum that will be staged in an area designated by the project manager. The drum will be labeled with a Non-RCRA Regulated label that identifies generator information (name, address and telephone), accumulation date, and contents (DOT shipping name).

8.2 Management of Non-Hazardous Waste

Hazardous IDW must be disposed as specified in USEPA regulations. If appropriate, these wastes may be placed back in an active facility waste treatment system. These wastes may also be disposed in the source area from which they originated if doing so does not endanger human health or the environment.

If on-site disposal is not feasible, and if the wastes are suspected to be hazardous, appropriate tests must be conducted to make that determination. If they are determined to be hazardous wastes, they must be properly contained and labeled. They may be stored on the site for a maximum of 90 days before they must be manifested and shipped to a permitted treatment or disposal facility.

Generation of hazardous IDW must be anticipated, if possible, to allow arrangements for proper containerization, labeling, transportation and disposal /treatment in accordance with USEPA regulations.

The generation of hazardous IDW should be minimized to conserve project resources. Most routine studies should not produce any hazardous IDW. The use of solvents during field cleaning of equipment should be minimized by using solvent-free cleaning procedures for routine cleaning and decontamination. If solvents are needed, the volume should be minimized by using only the amount necessary and by capturing the residual solvent separately from the aqueous decontamination fluids (detergent/wash water mixes and water rinses).

At a minimum, the requirements of the management of hazardous IDW are as follows:

- Spent solvents must be left on-site with the permission of site operator and proper disposal arranged.
- All hazardous IDW must be containerized and labeled. Proper handling and disposal should be arranged prior to commencement of field activities.

See Table 8-1 for a summary of hazardous and nonhazardous waste disposal practices.

Table 8-1: Disposal of Investigation Derived Waste

Type	Hazardous	Nonhazardous
PPE-Disposable	Containerize in plastic 5-gallon bucket with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise return to KERAMIDA for proper disposal.	Place waste in trash bag. Place in dumpster with permission of site operator, otherwise return to KERAMIDA for disposal in dumpster.
PPE-Reusable	Decontaminate as per SOP if possible. If the equipment cannot be decontaminated, containerize in plastic 5-gallon bucket with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise return to KERAMIDA for proper disposal.	Decontaminate as per SOP.
Groundwater	Containerize in DOT-approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.	Containerize in a DOT-approved approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.
Decontamination Water	Containerize in DOT-approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.	Containerize in a DOT-approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.
Disposable Equipment	Containerize in DOT-approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.	Containerize in a DOT-approved container with tight-fitting lid. Identify, label and leave on-site with permission of site operator, otherwise arrange with project manager for testing and disposal.
Trash	N/A	Place waste in trash bag. Place in dumpster with permission of site operator, otherwise return to KERAMIDA for disposal in dumpster.

9.0 SAMPLE DOCUMENTATION AND SHIPMENT

9.1 Field Logbooks

KERAMIDA administration will issue a field book to each personnel conducting field activities. Each field book will be assigned a number which will be recorded on a list along with the owner's name and issue date. The field book number will be written at the top of the spine of the book. The user of the field book will put their last name on the spine and front cover of the book. The date of the first entry will also be placed on the front cover. After the field book is completely filled with entries, the last entry date will also be placed on the front cover.

Only blue or black waterproof or indelible ink (e.g. Sharpie® or ball point pens) should be used to record entries. If extreme weather conditions do not allow for the use of ballpoint pen, pencil will be used and the reason for the deviation from protocol noted. A new page will be started for each day of field activity with the date, the KERAMIDA project number, the user's initials, the name of the project, the name of the Site, the address of the Site, the purpose of the event, weather conditions, average temperature, names of KERAMIDA personnel on-Site, company names of

subcontractors and the names of their personnel. Activities should also be summarized as they occur throughout the day. The time will be entered in military time (e.g., 0830 or 1530) or regular time (e.g., 8:30 AM or 2:45 PM) in the left column of each page when an entry is recorded in the field book.

If a mistake is made in an entry, it should be crossed out with one line and initialed. At the end of the daily entry a slash will be put through the remaining lines on the page. Field notes will be copied or scanned and provided to the Project Manager on/or before the next business day after the field activities are completed.

Be sure that log book and field form entries are LEGIBLE and contain accurate and inclusive documentation of project field activities. Logbooks should provide sufficient detail to enable others to reconstruct the activities observed. Language should be factual and free of personal feelings, interpretation, and from terminology that might be considered subjective or inappropriate.

Sampling personnel should comply with the following set of guidelines when recording Site activities in their field logbook:

- Note and refer to other field forms when recording information (e.g. groundwater sampling sheets, boring logs, operation and maintenance (O & M) forms).
- Describe problems, delays, any unusual occurrences (such as wrong equipment or breakdowns) along with the resolutions and recommendations that resulted. Fully document any deviations from or changes to the work plan.
- Describe the weather and changes in the weather, particularly during sampling events.
- Sketch a map of the facility or area on-site where activities are occurring, especially the location of sampling points. Put a north arrow on the map. If notes or measurements are being recorded on an aerial photograph or other map, note this in the field book. Provide measurements of buildings, roads or other structures. Measurements for sample locations should be taken from known reference points, such as a corner of a building, telephone pole, corner of property or intersection as shown on the map or sketch. The measurements for boring and well locations must be recorded in the cardinal directions (north, south, east or west) from a known reference points on the sketch or map. Example: KB-1 is located 5 feet north and 20 feet west from the northwest corner of the building.
- During sampling activities, record all information pertaining to the sampling event. Include descriptive locations and diagrams of the sampling locations, time, sampling media, planned laboratory analyses, sampling procedure, equipment used, sizes and types of containers, preservation used and any resulting reactions, sampling ID (especially for duplicate samples), shipping procedures (record air bill numbers), and addresses.
- Note documentation or disposal procedures for all equipment, samples and protective clothing and how effectively each is performed.
- If possible, photograph all sampling locations and areas of interest. Maintain a photographic log in the field log book with this information: Date, time, photographer, name of site, general compass direction the photographer is facing, description of the subject taken, and sequential number of the photograph.
- Record the names and affiliations of key personnel on-site each day.

- List all field meters and field equipment that are used. Record field measurements, including distances, monitoring and testing instrument readings and calibration activities.
- Record proposed work schedules and changes in current schedules in the log book.
- Describe Client-specific field procedures or site security measures.

9.2 Photographs

Photographs will be taken at the sampling locations and at other areas of interest on the site or sampling area. They will serve to verify information entered in the field logbook. For each photograph taken, the following information will be written in the logbook or recorded in a separate field photography log:

- Time, date, location, and weather conditions
- Description of the subject photographed
- Name of person taking the photograph

9.3 Labeling

Each sample collected during property assessments will be given a unique identification code. Each unique sample identification code will consist of the following:

Sample Matrix Code. Each sample will be further identified by a code corresponding to the sample matrix:

- GW – groundwater sample
- SW – surface water sample
- GAS – landfill gas extraction system exhaust sample
- TB – trip blank sample
- EB –equipment blank sample
- FD – field duplicate sample.

Location Code. Lastly, each sample will be identified by a location code and interval as follows (note that surface water, sediment, and surface soil samples will be numbered consecutively and not given an additional location identifier):

MW-## - monitoring well location

Examples.

- GW-MW-01 = groundwater sample from Monitoring Well 1 at
- GW-MW-01-FD = duplicate groundwater from MW 1

Sample bottle labels appropriate for the size and type of containers shall be provided by the laboratory. The sample containers will be labeled at the time of sample collection but prior to being filled. Each label will indicate at a minimum:

- Sample identification
- Date/time of sample collection
- Sampler's initials

- Required analyses
- Type of preservative.

All labels will be completed in waterproof ink. An example of a sample label is included in Appendix 4.

9.4 Sample Chain-Of-Custody Forms and Custody Seals

All sample shipments for analyses will be accompanied by a chain-of-custody (COC) record. The COC form will identify the contents of each shipment and maintain the custodial integrity of the samples. Generally, a sample is considered to be in someone's custody if it is either in someone's physical possession, in someone's view, locked up, or kept in a secured area that is restricted to authorized personnel. A COC has three sections: field information, lab information, and the signatures of the people who handle the sample. The KERAMIDA COC is a two-page carbon less copy document, consisting of a white and a yellow sheet.

The project number, sample number, sampling date/time, sample matrix, preservatives, and type of sample (grab or composite) should be entered on the COC. It is imperative that each sample has a unique alpha-numeric code so as to prevent duplicates in EM Branch databases. The COC also contains places to enter the selected laboratory, requested analysis, QA/QC level, detection level, requested turn-around-time, and comments to the laboratory. The laboratory will record the sample temperature on the COC at the time they take custody and sign the COC.

Persons who had custody of the sample(s) during any step of the process should sign the COC to relinquish custody of the sample. Custody includes but is not limited to sample collection, sample storage and transport to the laboratory. There are signature lines to relinquish custody of the sample and to receive custody of the sample. All signatures must be in ballpoint pen and are followed by a date and time that the COC was signed. The line at the bottom of the page is provided for personnel from the laboratory to sign for receiving the sample. No erroneous information may be erased on the COC. Errors must be lined out and initialed, and the correction written in.

Once the samples are delivered to the laboratory, the laboratory personnel will sign and date the next blank "received by" line located at the bottom of the COC. The laboratory will retain the white original and KERAMIDA will retain the yellow carbonless copy. The white original will be returned to KERAMIDA with the certificate of analysis.

10.0 QUALITY CONTROL

Field quality control samples are intended to help evaluate conditions resulting from field activities and are intended to accomplish two primary goals, assessment of field contamination and assessment of sampling variability. The former looks for substances introduced in the field due to environmental or sampling equipment and are assessed using blanks of different types. The latter includes variability due to sampling technique and instrument performance as well as variability possibly caused by the heterogeneity of the matrix being sampled and is assessed using replicate sample collection. Table 10-1 summarizes field QC measures for the Site.

Table 10-1: Field and Lab QA/QC Sample Requirements

	QC Sample Type	Frequency of Sample/Analysis	Details
Field Samples	Duplicate Samples	1 duplicate per 20 samples per matrix, or 1 duplicate per sample matrix if fewer than 20 samples	Duplicate sample to be collected by the same methods at the same time as the original sample. Used to verify sample and analytical reproducibility.
	Matrix Spike/ Matrix Spike Duplicate	1 MS/MSD per 20 or fewer samples per matrix	Laboratory spiked sample to evaluate matrix and measurement methodology.
	Trip Blanks	1 trip blank per cooler containing samples for VOC analysis for water samples	Laboratory prepared organic-free blank to assess potential contamination during sample container shipment and storage.
Lab Samples	Matrix Spike/ Matrix Spike Duplicate	1 MS/MSD per 20 or fewer samples per matrix	Laboratory spiked sample to evaluate matrix and measurement methodology.
	Method Blanks	1 method blank per batch of samples prepared, or per lab SOP	Laboratory blank sample to assess potential for contamination from laboratory instruments or procedures.
	Laboratory Control Samples and Duplicates	Analyzed as per method requirements and laboratory SOPs	Evaluates laboratory reproducibility.

11.0 FIELD VARIANCES

As conditions in the field may vary, it may become necessary to implement minor modifications to sampling as presented in this plan. When appropriate, verbal approval will be obtained from the QA Office and/or project managers before implementing the changes. Modifications to the approved plan will be documented in the sampling project report.

12.0 FIELD HEALTH AND SAFETY PROCEDURES

Project staff and approved KERAMIDA subcontractors will conduct all activities at the site in accordance with the Site specific health and safety plan (HASP) developed by KERAMIDA Inc. This HASP was written to ensure the safety of all field personnel and the community surrounding the work site. The plan contains site-specific information, hazard analysis, and project information that can be used in conjunction with KERAMIDA's Employee Health & Safety Policy Manual. This plan contains standardized guidance procedures and practices to follow for all operations involving hazardous materials or hazardous operations (confined space entry, trenching, lock out / tag out, etc). Based on the project activities and tasks conducted at this Site, all personnel assigned to this project must read all sections and then sign the Acknowledgement Sheet in Appendix A of the HASP to confirm that they understand and agree to abide by the provisions of the plan.

13.0 REFERENCES

- CH2M HILL. (February 1995). "Remedial Investigation Report: Douglas Road Landfill: Mishawaka, Indiana." WA No. 65-5L2H/Contract 68-W8-0040.
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- KERAMIDA Inc. (November, 2009). "Site-Specific Health and Safety Plan: Douglas Road Landfill." Revised May 30, 2014.
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- KERAMIDA Inc. (April, 2016). "Semi-Annual Groundwater Report: Douglas Road Landfill Superfund Site: Mishawaka, Indiana."
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- KERAMIDA Inc. (September, 2015). "Standard Operating Procedure for Management of Investigation-Derived Waste."
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- KERAMIDA Inc. (May, 2016). "Field Decontamination of Sampling Equipment."
- KERAMIDA Inc. (May, 2016). "Standard Operating Procedures for Note Taking and Log Book Entries."
- State of Indiana. "Indiana Administrative Code (IAC); Article 10: Solid Waste Land Disposal Facilities; Rule 10: Transition Requirements of Municipal Solid Waste Landfill Siting, Design, and Closure." Accessed July 6, 2016.

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U.S. EPA. (May 1996). "Superfund Record of Decision: Douglas Road/Uniroyal, Inc. Landfill, Mishawaka, IN." EPA No. PB96-964103.

U.S. EPA Office of Solid Waste and Emergency Response. (February, 2004). "Remediation System Evaluation: Douglas Road Landfill: St Joseph County, Indiana" EPA Publication No. 542-R-04-031).

U.S. EPA, Region 5. (August, 2012). "Third Five-Year Review Report for Douglas Road/Uniroyal, Inc. Landfill Superfund Site: Mishawaka, Indiana."

Figures

Figure 1: Site Vicinity Map

Figure 2: Site Location Map

Figure 3: Groundwater Potentiometric Surface Map

Figure 4: Wetland Sampling Locations

Sheet 4* - Project Site Map

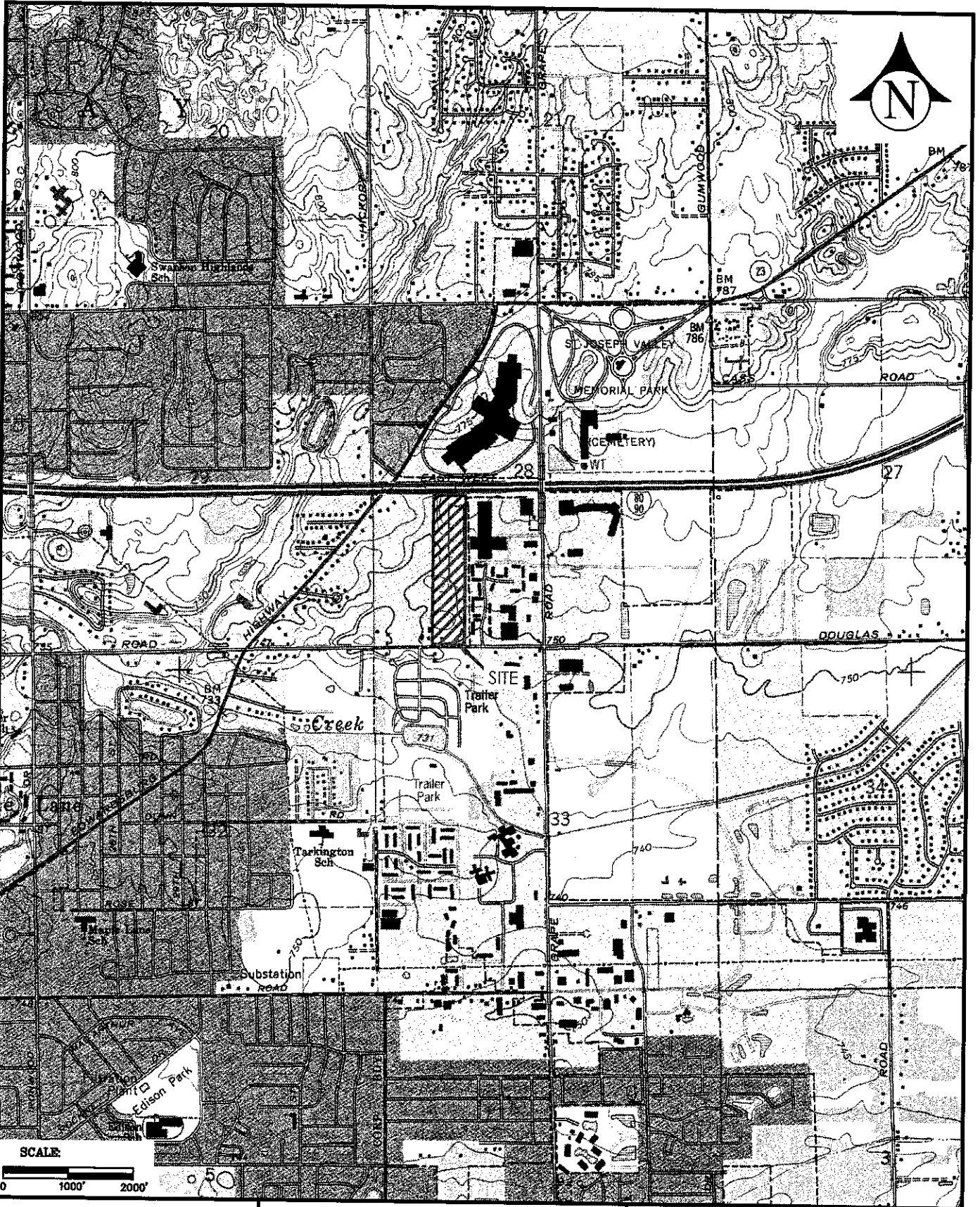
Sheet 7* - Rough Grading Plan - North

Sheet 8* - Rough Grading Plan - South

Sheet 8** - Site work, Project Site Plan

* *From Remedial Design Drawings dated June 1997*

** *From Remedial Design Drawings dated January 1997*



Project: Douglas Road Landfill Superfund Site
 St. Joseph County
 Mishawauka, Indiana

Figure 1

Site Location Map

KERAMIDA
 ENGINEERS • SCIENTISTS • PLANNERS
 GLOBAL EHS & SUSTAINABILITY SERVICES

Project Number: 15760	Drawn By: J. DuMond
Date: April 14, 2015	Approved By: SG
	File No. 15760 Vic

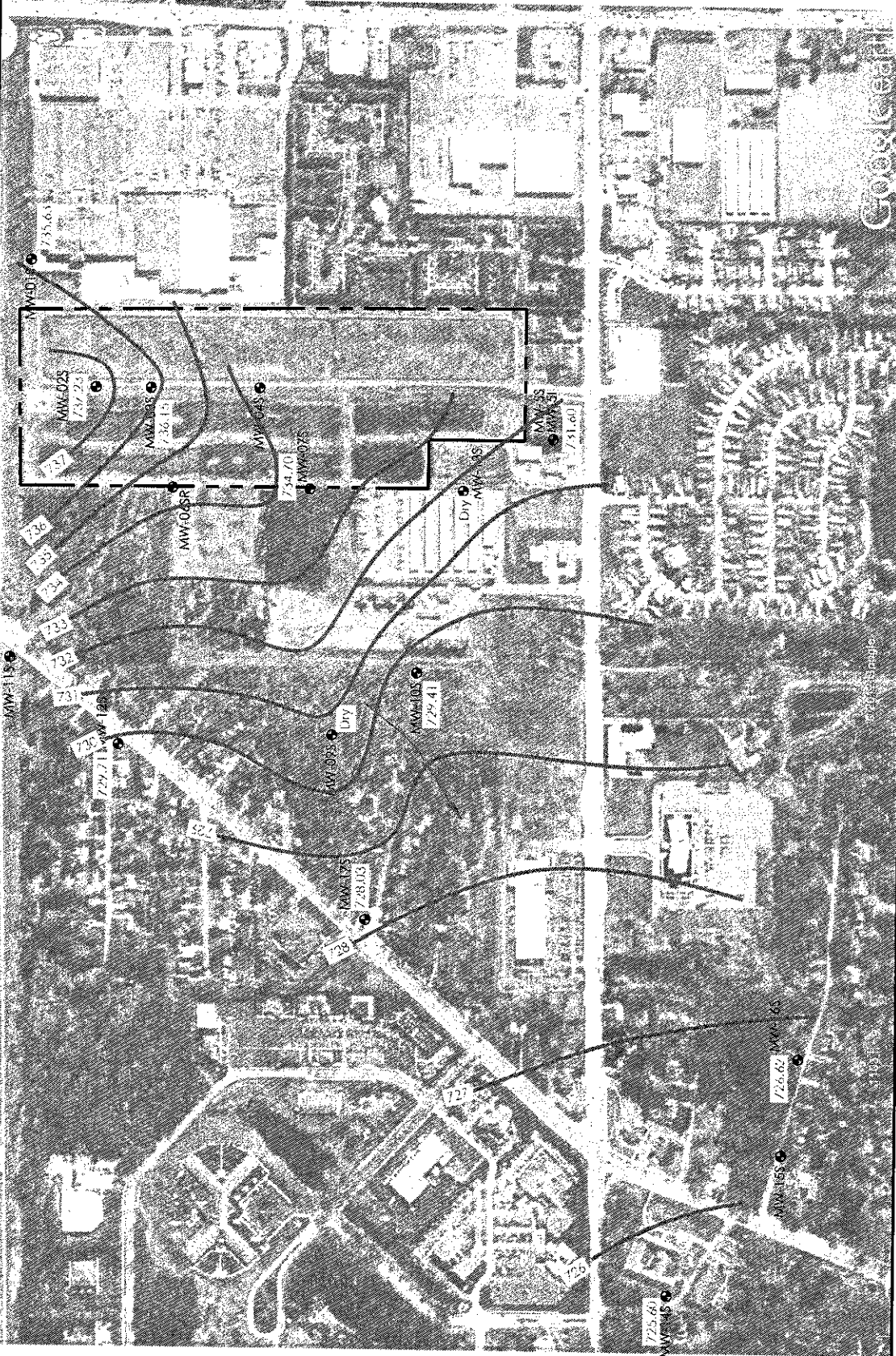
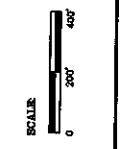


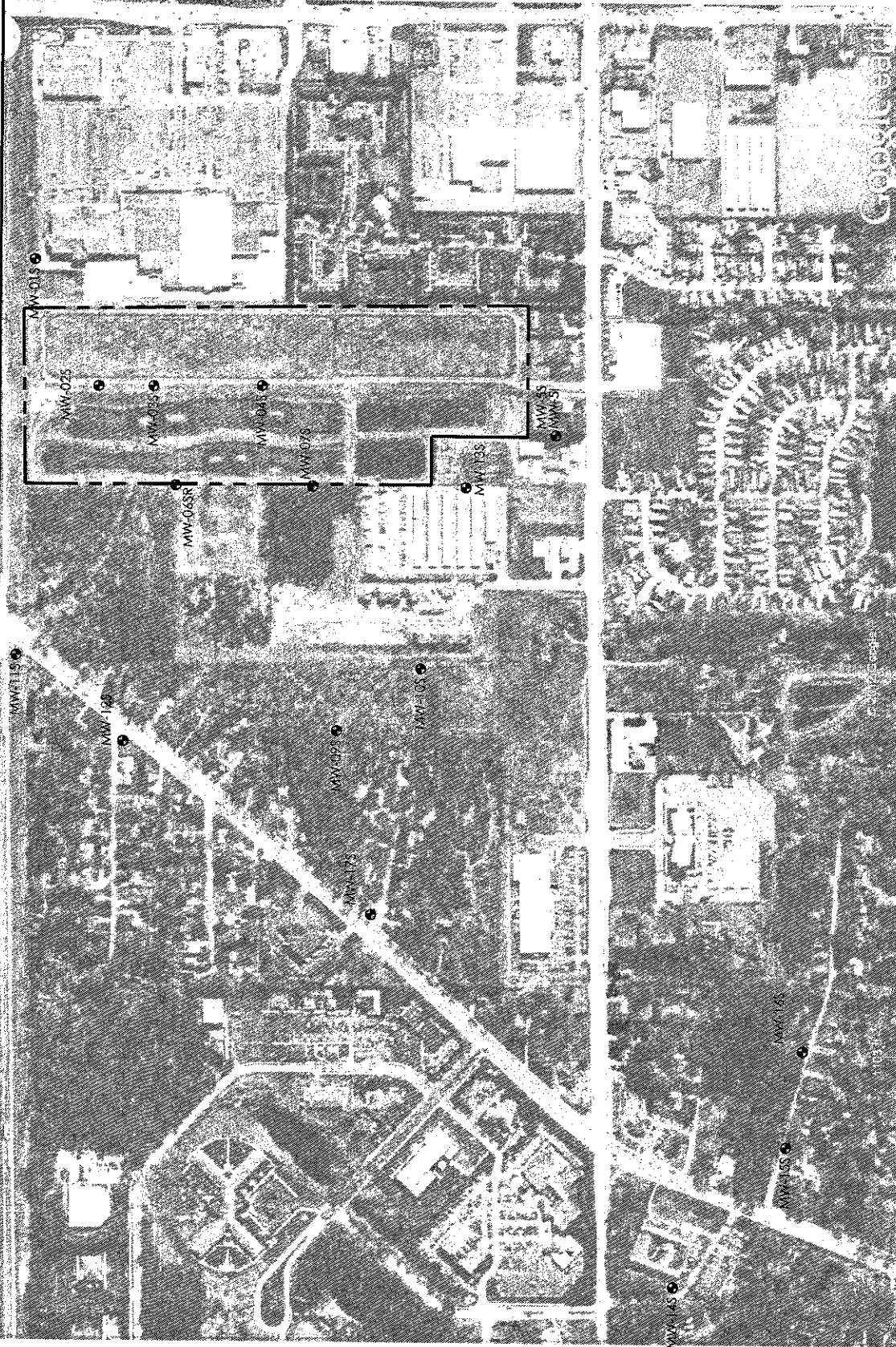
Figure 2
Groundwater Potentiometric Surface Map
April 12, 2016

Project: Douglas Road Landfill Superfund Site
St. Joseph County
Mishawaka, Indiana

Drawn By: J. DuMond
Approved By: SG
Project Number: 16575
Date: May 2, 2016
File No. 16575_wells



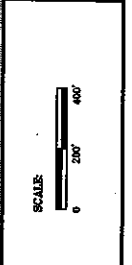
MW-145 ● Groundwater Monitoring Well/ID
MW-141 ○ Groundwater Contour w/Elevation
729 725.14 Groundwater Elevation
725.14 Groundwater Flow Direction



Project: Douglas Road Landfill Superfund Site
 St. Joseph County
 Mishawaka, Indiana

Project Number: 15760 | Approved By: SKI
 Date: September 13, 2016 | File No. 15760_wells

Drawn By: D. Laike



LEGEND

MW-145 ● Groundwater Monitoring Well/ID

--- Site Property Boundary

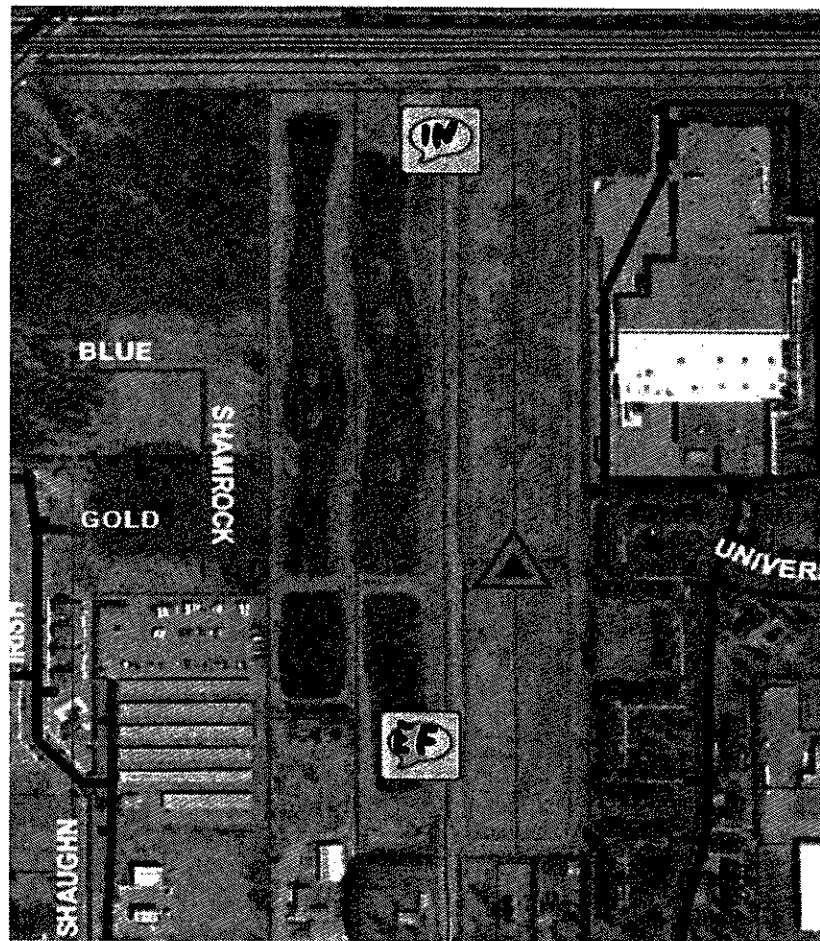
Figure 3
 Groundwater Monitoring Well Network



Monthly DRL Influent and Effluent water sample locations. OU2 – rs 9-12-16

IN: North end of wetlands one-sample taken off pier present.

EF. South/West corner wetlands three- sample taken off pier present.



NOT TO SCALE

G:\CLIENTS\INDEMA\15760 Douglas Road Landfill\ 2014-16\figures



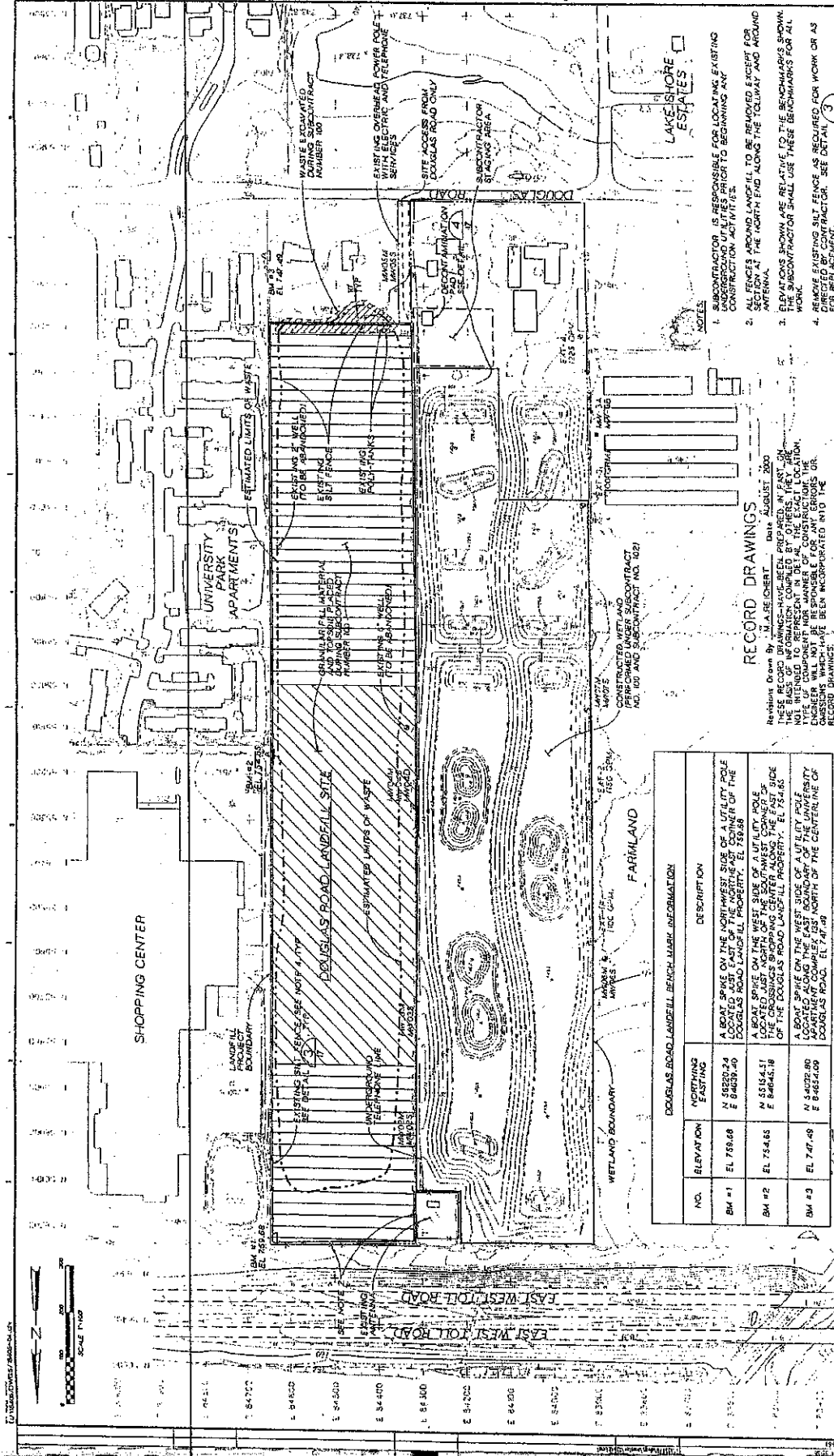
Project: Douglas Road Landfill Superfund Site
St. Joseph County
Mishawaka, Indiana

Project Number: 15760	Approved By: SG
Date: September 13, 2016	File No. 15760_wells

Drawn By: D. Lake

Figure 4

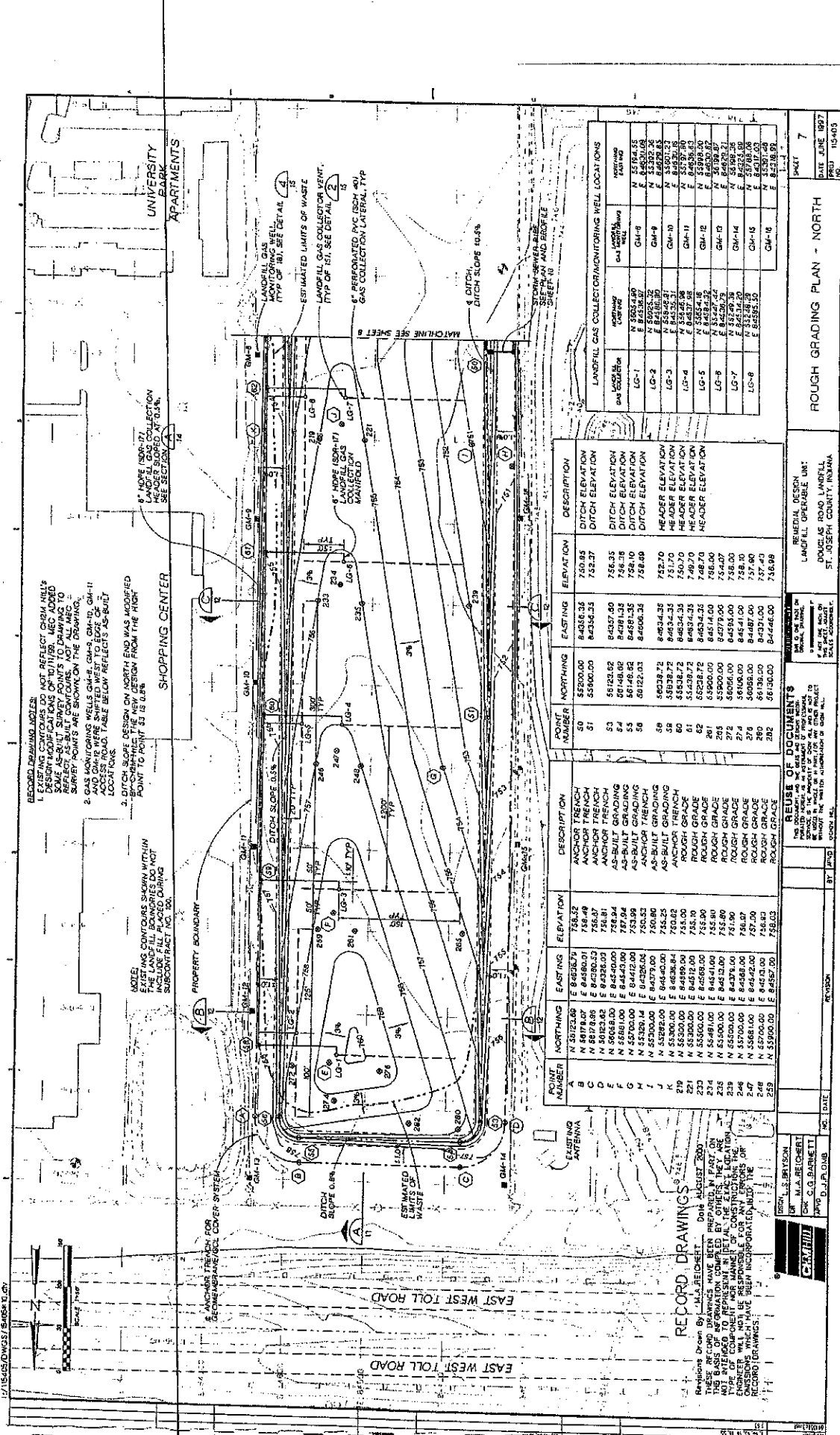
Wetland Influent and Effluent Sample Locations



RECORD DRAWINGS
 Revised Drawn By: M.A. REISHERT Date: AUGUST 2000
 THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART BY THE CONTRACTOR AND IN PART BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CONTRACTOR.

DOUGLAS ROAD LANDELL BENCH-MARK INFORMATION		DESCRIPTION
NO.	ELEVATION	
BM #1	N 15829.26 E 84629.74 EL. 759.68	A BOAT SPIKE ON THE NORTHWEST SIDE OF A UTILITY POLE LOCATED JUST EAST OF THE NORTHWEST CORNER OF THE DOUGLAS ROAD LANDFILL PROPERTY. EL. 759.68
BM #2	N 15164.11 E 84645.18 EL. 754.85	A BOAT SPIKE ON THE WEST SIDE OF A UTILITY POLE LOCATED ALONG THE WEST SIDE OF THE CROSSINGS SHOPPING CENTER ALONG THE WEST SIDE OF THE DOUGLAS ROAD LANDFILL PROPERTY. EL. 754.85
BM #3	N 14029.80 E 84651.09 EL. 747.49	A BOAT SPIKE ON THE WEST SIDE OF A UTILITY POLE LOCATED ALONG THE EAST BOUNDARY OF THE UNIVERSITY PARK APARTMENTS NORTH OF THE CENTERLINE OF DOUGLAS ROAD. EL. 747.49

CRITTELL
 PROJECT: UNIVERSITY PARK APARTMENTS
 DRAWING NO.: 18-07 RECORD DRAWING
 DATE: 08/01/00
 PROJECT: DOUGLAS ROAD LANDFILL
 COUNTY: ST. JOSEPH COUNTY, INDIANA
 SHEET: 4
 DATE: JUNE 1997
 NO.: 18-07



RECORD DRAWING NOTES

1. EXISTING CONTOURS DO NOT REFLECT CHINA HILLS DESIGN MODIFICATIONS OF 10/11/08. (SEE ADDED SHEETS 15605.DWG6 THROUGH 15605.DWG10) SURVEY POINTS TO DRAWING TO BE SHOWN AS SHOWN ON THE DRAWINGS. SURVEY POINTS ARE SHOWN ON THE DRAWINGS.

2. GAS MONITORING WELLS GM-1, GM-2, GM-3, GM-4, GM-11 AND GM-12 WERE SHIFTED WEST TO EDGE OF PROPERTY TO REFLECT AS-BUILT LOCATIONS. TABLE BELOW REFLECTS AS-BUILT LOCATIONS.

3. DITCH SLOPE DESIGN ON NORTH END WAS MODIFIED BY CHANGING THE NEW DESIGN FROM THE HIGH POINT TO POINT 53 IS 0.8%.

NOTE:

FADING CONTOURS SHOWN WITHIN PROPERTY BOUNDARY INCLUDE FILL PLACED DURING SUBCONTRACT NO. 100.

REUSE OF DOCUMENTS

NO PART OF THIS DOCUMENT IS TO BE REUSED IN ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER.

WELL NO.	DESCRIPTION	ELEVATION	EASTING	NORTHING	POINT NUMBER
GM-1	MONITORING WELL	758.32	84580.00	55200.00	50
GM-2	MONITORING WELL	758.31	84580.00	55200.00	51
GM-3	MONITORING WELL	758.94	84540.00	55235.52	53
GM-4	MONITORING WELL	757.94	84540.00	55235.52	54
GM-5	MONITORING WELL	753.99	84542.00	55222.03	55
GM-6	MONITORING WELL	753.53	84542.00	55222.03	56
GM-7	MONITORING WELL	758.25	84640.00	55238.72	58
GM-8	MONITORING WELL	759.02	84638.84	55238.72	59
GM-9	MONITORING WELL	758.00	84638.84	55238.72	60
GM-10	MONITORING WELL	758.00	84512.00	55238.72	62
GM-11	MONITORING WELL	758.00	84512.00	55238.72	63
GM-12	MONITORING WELL	758.00	84512.00	55238.72	64
GM-13	MONITORING WELL	758.00	84378.00	55200.00	265
GM-14	MONITORING WELL	758.00	84378.00	55200.00	272
GM-15	MONITORING WELL	757.50	84422.00	55198.00	274
GM-16	MONITORING WELL	758.00	84422.00	55198.00	282

WELL NO.	DESCRIPTION	ELEVATION	EASTING	NORTHING	POINT NUMBER
LG-1	LANDFILL GAS COLLECTION HEADERS	752.70	84634.35	55238.72	58
LG-2	LANDFILL GAS COLLECTION HEADERS	752.70	84634.35	55238.72	59
LG-3	LANDFILL GAS COLLECTION HEADERS	752.70	84634.35	55238.72	60
LG-4	LANDFILL GAS COLLECTION HEADERS	748.70	84512.00	55238.72	62
LG-5	LANDFILL GAS COLLECTION HEADERS	748.70	84512.00	55238.72	63
LG-6	LANDFILL GAS COLLECTION HEADERS	754.07	84512.00	55200.00	265
LG-7	LANDFILL GAS COLLECTION HEADERS	755.00	84512.00	55200.00	272
LG-8	LANDFILL GAS COLLECTION HEADERS	758.00	84407.00	55198.00	274
LG-9	LANDFILL GAS COLLECTION HEADERS	758.00	84407.00	55198.00	282

WELL NO.	DESCRIPTION	ELEVATION	EASTING	NORTHING	POINT NUMBER
GM-1	MONITORING WELL	758.32	84580.00	55200.00	50
GM-2	MONITORING WELL	758.31	84580.00	55200.00	51
GM-3	MONITORING WELL	758.94	84540.00	55235.52	53
GM-4	MONITORING WELL	757.94	84540.00	55235.52	54
GM-5	MONITORING WELL	753.99	84542.00	55222.03	55
GM-6	MONITORING WELL	753.53	84542.00	55222.03	56
GM-7	MONITORING WELL	758.25	84640.00	55238.72	58
GM-8	MONITORING WELL	759.02	84638.84	55238.72	59
GM-9	MONITORING WELL	758.00	84638.84	55238.72	60
GM-10	MONITORING WELL	758.00	84512.00	55238.72	62
GM-11	MONITORING WELL	758.00	84512.00	55238.72	63
GM-12	MONITORING WELL	758.00	84512.00	55238.72	64
GM-13	MONITORING WELL	758.00	84378.00	55200.00	265
GM-14	MONITORING WELL	758.00	84378.00	55200.00	272
GM-15	MONITORING WELL	757.50	84422.00	55198.00	274
GM-16	MONITORING WELL	758.00	84422.00	55198.00	282

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	55200.00	84580.00	758.32	ANCHOR TRENCH
51	55200.00	84580.00	758.31	ANCHOR TRENCH
53	55235.52	84540.00	758.94	ANCHOR TRENCH
54	55235.52	84540.00	757.94	AS-BUILT GRADING
55	55222.03	84542.00	753.99	AS-BUILT GRADING
56	55222.03	84542.00	753.53	ANCHOR TRENCH
58	55238.72	84640.00	758.25	AS-BUILT GRADING
59	55238.72	84638.84	759.02	ANCHOR TRENCH
60	55238.72	84638.84	758.00	ROUGH GRADE
62	55238.72	84512.00	748.70	ROUGH GRADE
63	55238.72	84512.00	748.70	ROUGH GRADE
64	55200.00	84512.00	754.07	ROUGH GRADE
265	55200.00	84378.00	755.00	ROUGH GRADE
272	55200.00	84378.00	758.00	ROUGH GRADE
274	55198.00	84422.00	757.50	ROUGH GRADE
282	55198.00	84422.00	758.00	ROUGH GRADE

RECORD DRAWINGS

Regions Drawn By: M.A. REICHERT Date: AUGUST 2000

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NO PART OF THIS DOCUMENT IS TO BE REUSED IN ANY OTHER PROJECT WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER.

DESIGNER
M.A. REICHERT
C.G. BARNETT
D.J. OUB

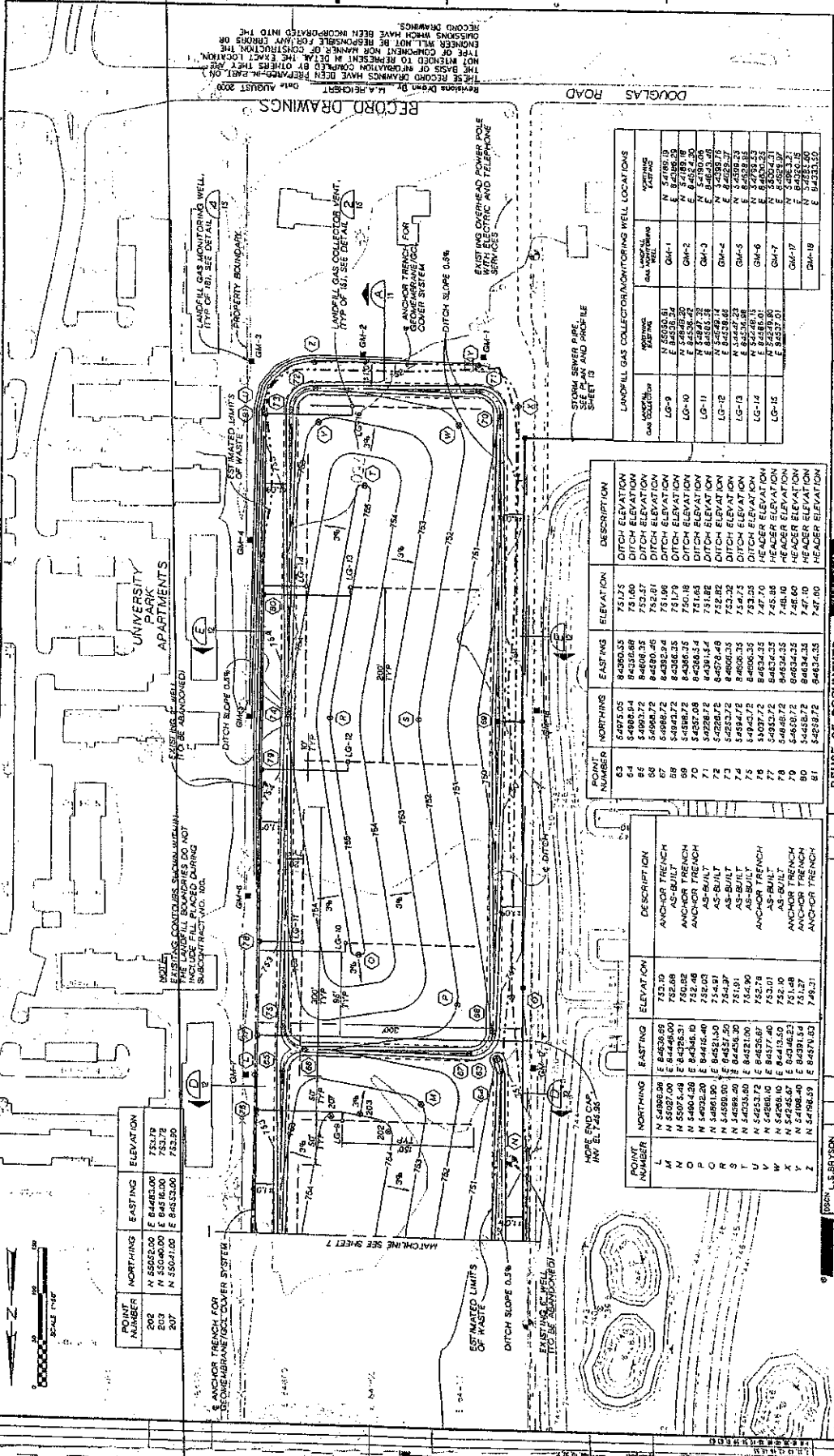
REVISION

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

RECORD DRAWINGS

DATE: JUNE 1997

PROJECT: 15605



RECORD DRAWINGS
 Revisions Drawn by: L.A. REICHERT
 DATE: AUGUST 2009
 THESE RECORD DRAWINGS HAVE BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS AND I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY OF ANY KIND.

POINT NUMBER	NORTHING	EASTING	ELEVATION
202	N 55955.00	E 84483.00	753.79
203	N 55946.00	E 84516.00	753.72
204	N 55945.00	E 84533.00	753.50

LANDFILL GAS COLLECTOR MONITORING WELL LOCATIONS	WELL TYPE	WELL NO.	WELL ELEVATION
GM-1	AS-BUILT	W 55953.34	E 84538.24
GM-2	AS-BUILT	N 54709.19	E 84586.29
GM-3	AS-BUILT	N 54709.19	E 84586.29
GM-4	AS-BUILT	N 54709.19	E 84586.29
GM-5	AS-BUILT	N 54709.19	E 84586.29
GM-6	AS-BUILT	N 54709.19	E 84586.29
GM-7	AS-BUILT	N 54709.19	E 84586.29
GM-8	AS-BUILT	N 54709.19	E 84586.29
GM-9	AS-BUILT	N 54709.19	E 84586.29
GM-10	AS-BUILT	N 54709.19	E 84586.29
GM-11	AS-BUILT	N 54709.19	E 84586.29
GM-12	AS-BUILT	N 54709.19	E 84586.29
GM-13	AS-BUILT	N 54709.19	E 84586.29
GM-14	AS-BUILT	N 54709.19	E 84586.29
GM-15	AS-BUILT	N 54709.19	E 84586.29
GM-16	AS-BUILT	N 54709.19	E 84586.29
GM-17	AS-BUILT	N 54709.19	E 84586.29
GM-18	AS-BUILT	N 54709.19	E 84586.29
GM-19	AS-BUILT	N 54709.19	E 84586.29

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
63	54975.05	84900.35	751.75	DITCH ELEVATION
64	54985.54	84356.88	751.60	DITCH ELEVATION
65	54993.72	84608.35	753.47	DITCH ELEVATION
66	54988.72	84390.35	752.81	DITCH ELEVATION
67	54982.72	84386.35	751.79	DITCH ELEVATION
68	54982.72	84386.35	751.79	DITCH ELEVATION
69	54982.72	84386.35	751.79	DITCH ELEVATION
70	54982.72	84386.35	751.79	DITCH ELEVATION
71	54982.72	84386.35	751.79	DITCH ELEVATION
72	54982.72	84386.35	751.79	DITCH ELEVATION
73	54982.72	84386.35	751.79	DITCH ELEVATION
74	54982.72	84386.35	751.79	DITCH ELEVATION
75	54982.72	84386.35	751.79	DITCH ELEVATION
76	54982.72	84386.35	751.79	DITCH ELEVATION
77	54982.72	84386.35	751.79	DITCH ELEVATION
78	54982.72	84386.35	751.79	DITCH ELEVATION
79	54982.72	84386.35	751.79	DITCH ELEVATION
80	54982.72	84386.35	751.79	DITCH ELEVATION
81	54982.72	84386.35	751.79	DITCH ELEVATION

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
L	N 54965.91	E 84526.59	753.70	ANCHOR TRENCH
M	N 55075.48	E 84446.00	752.68	AS-BUILT
N	N 55075.48	E 84446.00	752.68	ANCHOR TRENCH
O	N 54993.20	E 84521.50	753.43	AS-BUILT
P	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH
Q	N 54993.20	E 84521.50	753.43	AS-BUILT
R	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH
S	N 54993.20	E 84521.50	753.43	AS-BUILT
T	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH
U	N 54993.20	E 84521.50	753.43	AS-BUILT
V	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH
W	N 54993.20	E 84521.50	753.43	AS-BUILT
X	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH
Y	N 54993.20	E 84521.50	753.43	AS-BUILT
Z	N 54993.20	E 84521.50	753.43	ANCHOR TRENCH

REMEDIAL DESIGN
 LANDFILL OPERABLE UNIT
 DOUGLAS ROAD LANDFILL
 ST. JOSEPH COUNTY, INDIANA

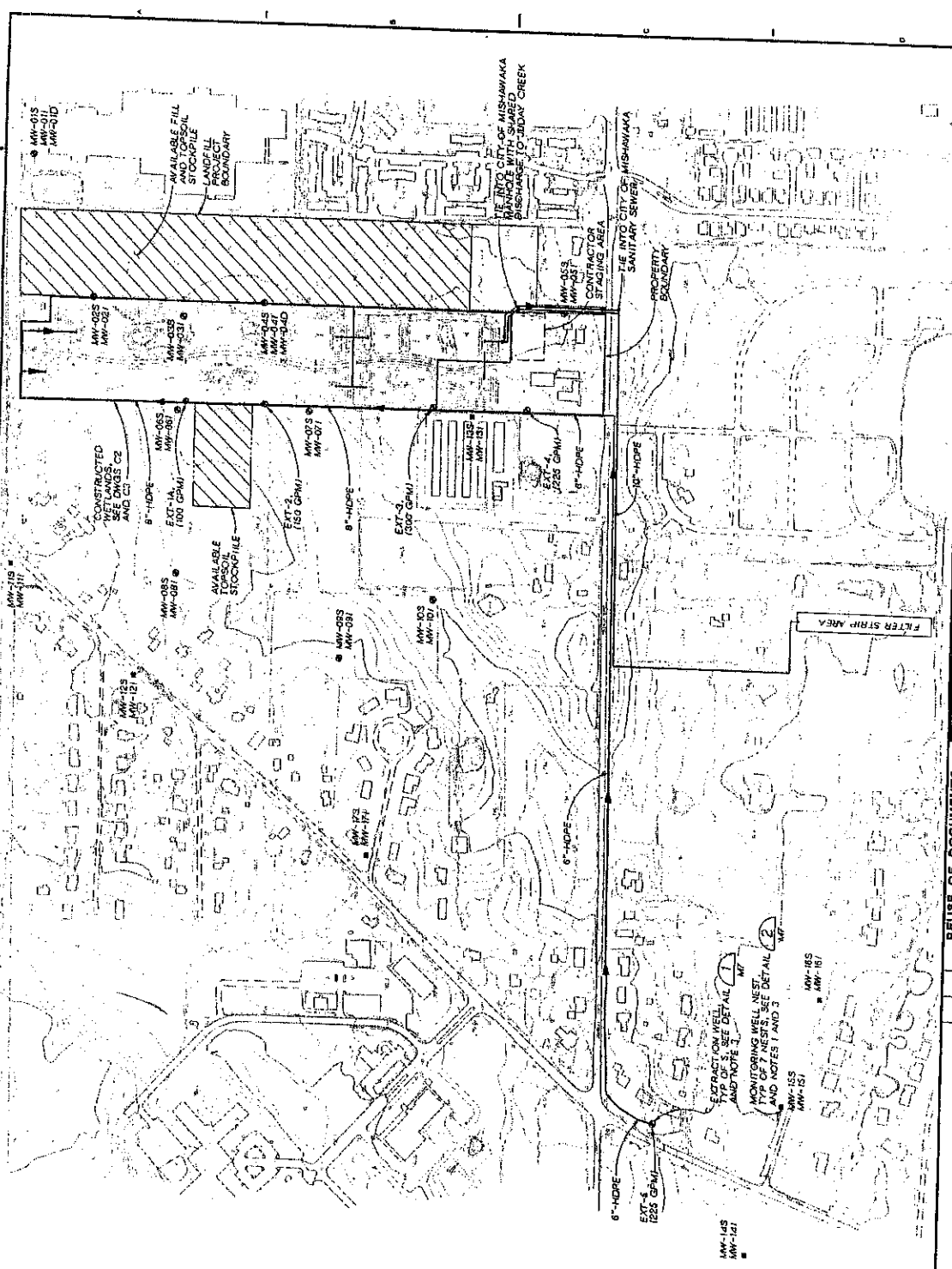
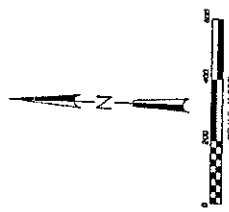
DESIGN BY: L.A. REICHERT
 DATE: JUNE 1997
 PROJECT NO.: 115405

SCALE: 1" = 40'

BY: JPD

REV: 0000

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RECORD DRAWINGS

Revisions Drawn By J.M.ZAFFRE Date 8/00
 THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART, ON THE BASIS OF FIELD DATA AND INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO BE USED AS A BASIS FOR CONSTRUCTION. THE TYPE OF COMPONENT AND MATERIALS OF CONSTRUCTION, LOCATION, DIMENSIONS AND WEIGHTS WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY OCCUR. ANY CHANGES MUST BE INCORPORATED INTO THE RECORD DRAWINGS.

- NOTES:**
1. NEW MONITORING WELL NESTS (SHALLOW AND INTERMEDIATE WELL AT EACH LOCATION).
 2. EXTRACTION AND MONITORING WELL LOCATIONS ARE LOCATED BY THE CONTRACTOR.
 3. U.S. EPA AND CONTRACTOR ARE RESPONSIBLE FOR OBTAINING PERMITS AND THE PROPERTY OWNERS PRIOR TO BEGINNING WORK.
 4. FOR TYPICAL TRENCH DETAIL SEE (3) DT

J.P. OMB
 M.A. REICHERT
 G.S. BARNETT
 J.P. OMB

NO.	DATE	REVISION
8/00		RECORD DRAWING
JAN 01		
BT		

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 EPCOR INC.

REMEDIAL DESIGN
 GROUNDWATER OPERABLE UNIT
 DOUGLAS ROAD LANDFILL
 ST. JOSEPH COUNTY, INDIANA

PROJECT SITE PLAN

SHEET	NO.
B	8
C1	
DATE	JAN 1997
PROJ.	035470



E. Disclaimer

This report is prepared for the sole benefit of GW Properties and may not be relied upon by any other person or entity. The findings set forth in the site assessment are limited in time and scope to the circumstances as they existed at the time of report preparation.

No term or provision of this Report is intended to be, or shall be, for the benefit of any person, firm, organization or corporation not a party hereto, and no such other person, firm, organization or corporation shall have any right or cause of action hereunder.

In preparing this report, EPI has relied on factual information regarding operations and practices obtained from company personnel at the facility audited. That information has been assumed to be accurate and complete, except when independent investigation has indicated otherwise.

The scope of this project did not include any fieldwork such as soil sampling or ambient air monitoring. There is no guarantee as to the absence of environmental hazards in the substance as a consequence of those conditions observed on the land.

Although regulatory compliance issues were reviewed as part of this assessment, the assessment is not intended to serve as a compliance audit.

Implementation or use of the recommendations, findings or conclusions of this report in no way assures the elimination of present or future liability or the fulfillment of a property owner's obligation under any local, State or Federal laws.



F. Resumes



JOHN A. BEST JR.
MANAGER OF ASSESSMENTS
jbest@environmental-epi.com

Experience

Environmental Protection Industries
16650 South Canal
South Holland, IL 60437

July 1996 - Present

Mr. Best has over 13 years of experience performing Phase I Environmental Site Assessments, Phase II Subsurface Investigations, asbestos sampling, air monitoring and supervision of asbestos abatement work. He has managed and performed Phase I Environmental Site Assessments throughout the contiguous United States. He has evaluated operating industrial plants, commercial operations, vacant industrial and agricultural land, residential and condominium complexes and has supplied expert testimony in the identification and evaluation recognized environmental conditions and property impairment as part of judicial hearings and judgments.

Mr. Best also manages remediation projects in the IEPA SRP and LUST programs. He prepares UST remediation, Phase I and Phase II proposals, manages Site Investigations to further evaluate the recognized environmental conditions identified during the Phase I Assessment process. He is also responsible for preparing remediation cost estimates for quantifying potential environmental risk exposure and recommendations to mitigate areas of environmental concern for lenders, attorneys, developers and industry involved with real estate transactions and site development.

In addition, Mr. Best is responsible for supervision of asbestos abatement work and air sampling and monitoring and oversight of asbestos abatement projects.

He also has supervised / coordinated numerous electromagnetic (EM) surveys and ground-penetrating radar (GPR) surveys throughout his career to identify potential underground storage tanks (USTs) and other buried structures.

He is involved with updating and administering the EPI Health and Safety Program, the Respiratory Protection Program.

Project experience includes:

Mid America, Long Grove, IL
UST Removals, Soil Remediation, Asbestos Survey and Abatement

Foremost Liquors, Chicago, IL
UST Removals

East West University, Chicago, IL
Asbestos Survey

Statement of Qualifications
Environmental Protection Industries



Bouchet Elementary Replacement School (PBC-CPS)
UST Investigation, Geophysical Investigation, Asbestos Survey, Specifications

Benjamin Moore Paints, Melrose Park, IL
UST Removal, IEPA Investigations/Reporting
Cross Creek Cleaners, Roselle, IL
Soil Remediation, IEPA Investigations/Reporting, NFR

Athens Construction, Chicago, IL
UST Removal, Soil Remediation, IEPA Investigations/Reporting

Fuelex, Hammond, IN
Soil Remediation, IDEM Investigations/Reporting

Cicero Marketplace, Cicero, IL
Soil Remediation, UST Removals, IEPA Investigations/Reporting, NFRs (LUST and SRP)

Smith Environmental Technologies
Chicago, Illinois

March 1995 – June 1996

Environmental Specialist: Perform Phase I Environmental Site Assessments. Conduct site reconnaissance surveys; interview site and township personnel; write FOIA requests; review document pertinent to the site; conduct database searches; sample water, soil, and building materials; and prepare reports for clients. Responsible for developing conclusions regarding recognized environmental conditions in connection with the property in question. Asbestos Contractor Supervisor certification. Involved in asbestos abatement projects; supervising abatement work, air sampling, and sample analysis. Performed site assessments in California and Illinois.

**The Field Museum
of Natural History**
Chicago, Illinois

November 1991 – March 1995

Manager-Economic Botany Collection: Supervised staff. Responsible for a collection of 2.5 million plant specimens. Identified and categorized Central American, South American, and North American flora. Researched and provided written responses to questions from the public sector regarding the identification, native origin, edibility, medicinal purpose, and use of all specimens in the Economic Botany collection. Administered the specimen loan program utilized by educational institutions.

The Best For Less
Chicago, IL

September 1989 – March 1991

Vice President: Store Operations. Involved in the start-up and daily function of three family owned Chicago land retail clothing stores. Supervised eight employees. Responsible for a \$500,000 inventory and operating budget.



Certifications

- *OSHA 40-Hour Hazardous Materials/Waste Site Worker*
- *OSHA 8-Hour Annual Refresher Training Course*
- *OSHA, Hazardous Waste Site Supervisor*
- *State of Illinois Department of Public Health, Licensed Asbestos Inspector*
- *Indiana Department of Environmental Management, Licensed Asbestos Inspector*
- *Michigan Department of Labor and Economic Growth, Licensed Asbestos Inspector*
- *Wisconsin Department of Health and Family Services, Licensed Asbestos Inspector*

Education

- Bachelor of Science, Botany, Eastern Illinois University, Charleston, Illinois, 1989
- Master of Public Health, University of Illinois at Chicago, Chicago, Illinois, 1997

Professional Affiliations

- Illinois Association of Environmental Professionals (IAEP)
- Northwest Indiana Brownfields Technical Committee American Society for Testing and Materials (ASTM)

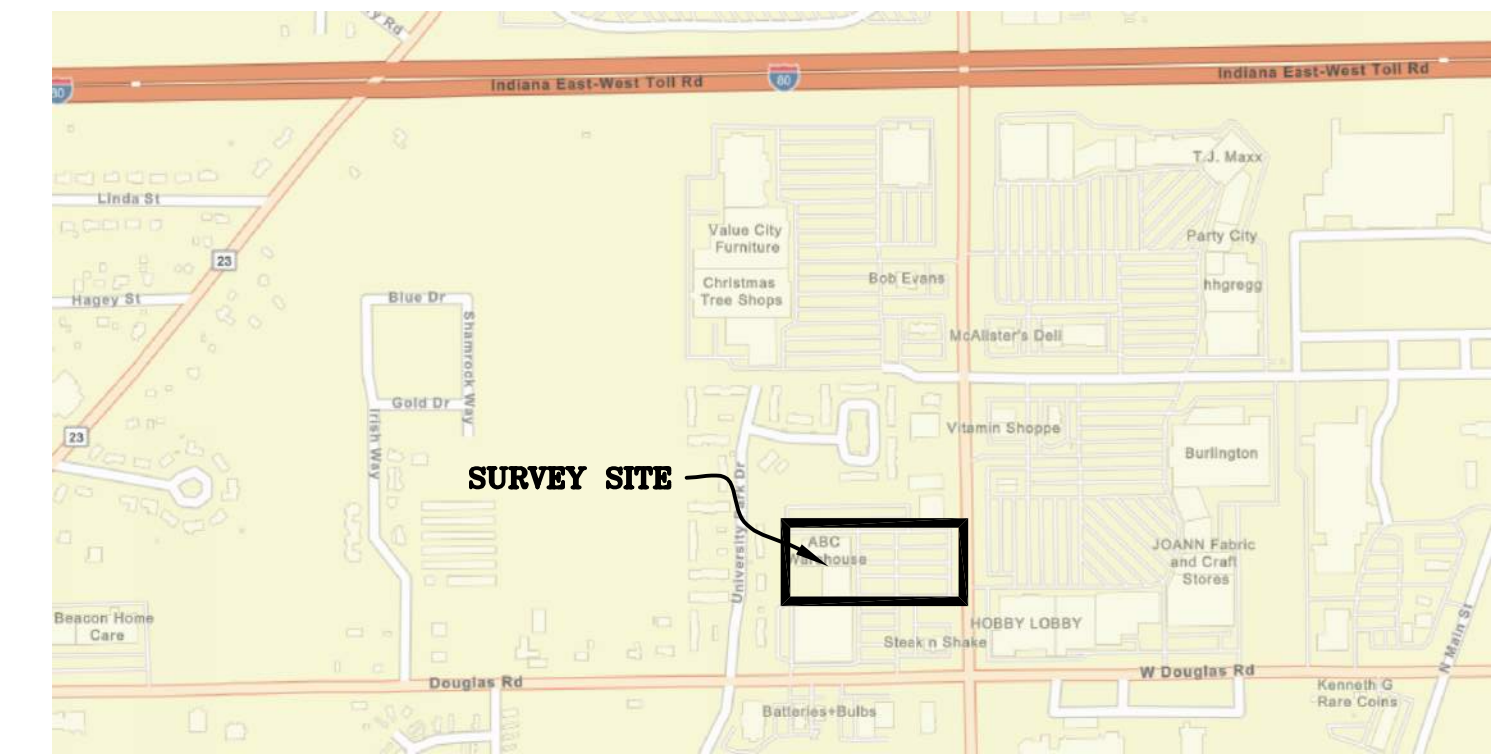
Site Plan, 2021



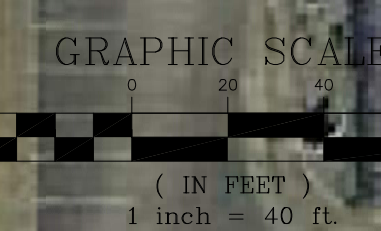
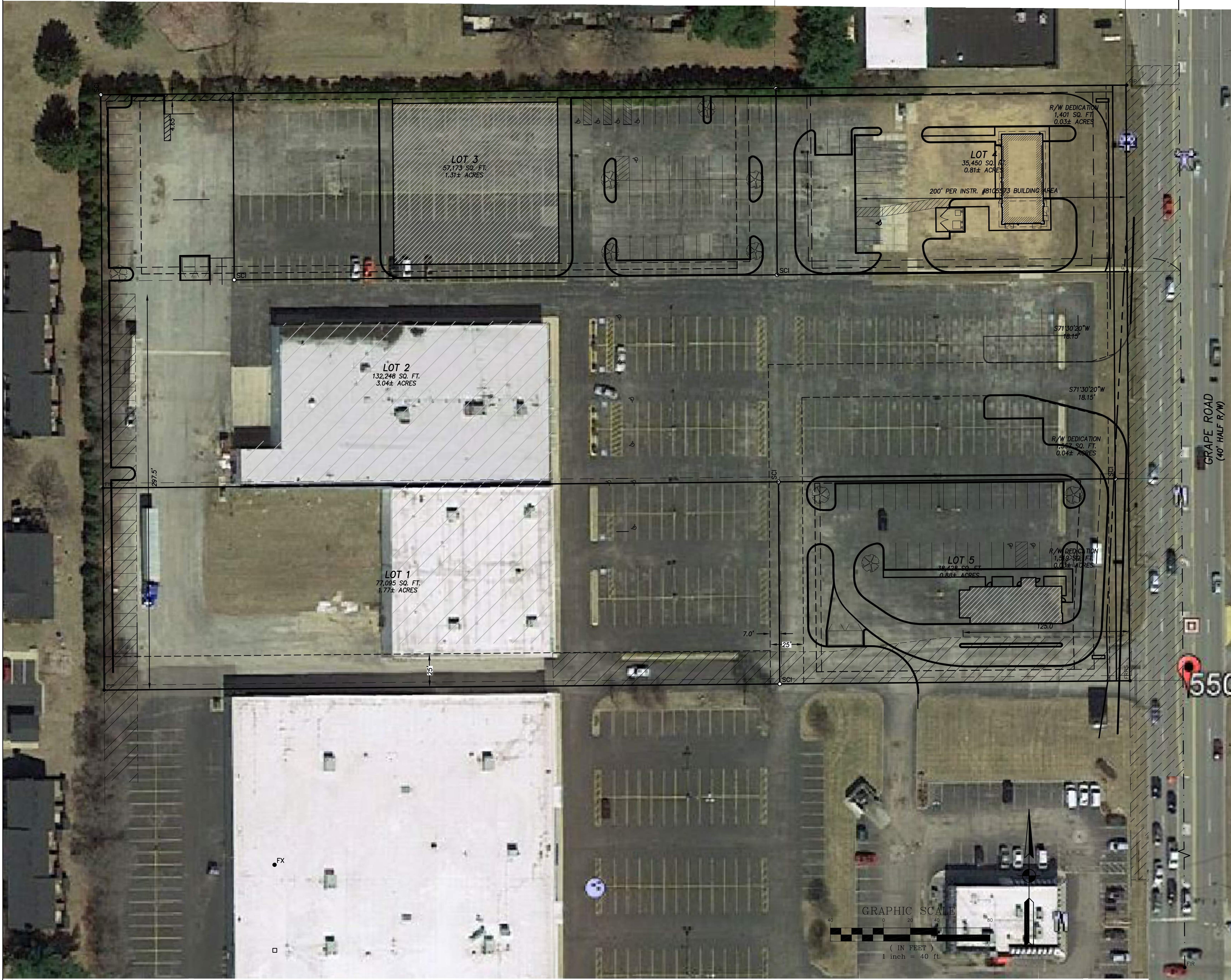
GW GRAPE ROAD MINOR SUBDIVISION

FINAL PLAT

BEING A PART OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 3 EAST, CLAY TOWNSHIP, CITY OF MISHAWAKA, ST. JOSEPH COUNTY, INDIANA



LOCATION MAP
NOT TO SCALE



STREET CLASSIFICATION:

PRINCIPAL ARTERIAL . . . GRAPE ROAD (80' R/W)

CURRENT OWNERS

GW MISHAWAKA II, LLC
221 N. ELSTON AVE., SUITE 304
CHICAGO, IL 60614

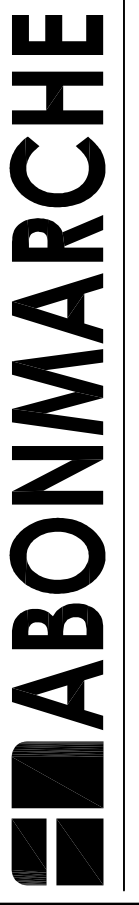
ABC MISHAWAKA, LLC
ONE W. SILVERDOME INDUSTRIAL PARK
PONTIAC, MI 48343

NOTES:

- AREA OF SUBDIVISION = 7.92 ACRES
 - LOT 1 = 1.77 ACRES±
 - R/W = 0.00 ACRES±
 - TOTAL = 1.77 ACRES±
- LOT 2 = 3.04 ACRES±
 - R/W = 0.04 ACRES± (10' ADDITIONAL R/W - GRAPE ROAD)
 - TOTAL = 3.08 ACRES±
- LOT 3 = 0.82 ACRES±
 - R/W = 0.00 ACRES±
 - TOTAL = 0.82 ACRES±
- LOT 4 = 0.82 ACRES±
 - R/W = 0.03 ACRES± (10' ADDITIONAL R/W - GRAPE ROAD)
 - TOTAL = 0.85 ACRES±
- LOT 5 = 0.89 ACRES±
 - R/W = 0.03 ACRES± (10' ADDITIONAL R/W - GRAPE ROAD)
 - TOTAL = 0.92 ACRES±

ENGINEERING REPORT: ALL LOTS SHALL BE SERVICED BY CITY OF MISHAWAKA MUNICIPAL SANITARY SEWER AND WATER.

- ACCORDING TO THE 1987 U.S. DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, INVENTORY MAPS, THERE ARE NO WETLANDS LOCATED ON THE SUBJECT PROPERTIES.
- EXISTING SITE IS OWNED BY BW MISHAWAKA II, LLC AND ABC MISHAWAKA, LLC. SITE HAS BUILDING ON LOT 1 AND LOT 2. LOTS 3, 4, AND 5 ARE VACANT. EXISTING UTILITIES SERVING 5505 & 5603 GRAPE ROAD SHALL BE RELOCATED AND PLACED WITHIN PLATTED EASEMENTS. NO ENCROACHMENTS OF EXISTING STRUCTURES EXIST.
- BUILDING SETBACK LINES SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE CITY OF MISHAWAKA "C-7" (AUTOMOBILE-ORIENTED RESTAURANT COMMERCIAL DISTRICT) ZONING ORDINANCE.
- ALL NEW LOT CORNERS AND COMMON LOT CORNERS WITHOUT FOUND MONUMENTS WILL BE MARKED AS SHOWN WITH 5/8 INCH DIAMETER REBAR ROD, 24 INCHES IN LENGTH, CAPPED WITH A PLASTIC, YELLOW MARKER STAMPED "ABONMARCHÉ FIRM #0050", UNLESS INDICATED OTHERWISE.
- THE BOUNDARY SURVEY OF THE PARENT PARCEL IS RECORDED UNDER INSTRUMENT NUMBER _____ IN THE OFFICE OF THE ST. JOSEPH COUNTY RECORDER. EXISTING MONUMENTS ARE SHOWN ON SAID SURVEY.
- ACCORDING TO THE 1999 ST. JOSEPH COUNTY POTENTIAL GROUNDWATER CONTAMINATION SITES MAP PUBLISHED BY THE MICHIANA AREA COUNCIL OF GOVERNMENTS, THERE APPEARS TO BE NO DOCUMENTED DUMPSITES, LANDFILLS, SITES USED FOR DISPOSING OF HAZARDOUS SUBSTANCES, OR WELL HEAD PROTECTION AREAS, EXISTING ONSITE OR ADJACENT TO THE SITE.
- ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FEDERAL INSURANCE RATE MAP (FIRM) INDEX PANEL NO. 18141C0204D WITH AN EFFECTIVE DATE OF JANUARY 6, 2011, THE SUBJECT PROPERTY BY SCALING SAID MAP IS LOCATED WITHIN AN AREA DESIGNATED AS "ZONE X, NO SPECIAL FLOOD HAZARD AREA".
- UTILITY EASEMENTS ARE RESERVED TO CITY OF MISHAWAKA UTILITIES TO INSTALL, OPERATE, AND MAINTAIN BELOW GRADE WATERLINE, SANITARY SEWER, STORM SEWER AND OTHER APPURTENANCES SERVING THE LOTS WITHIN THIS SUBDIVISION. THE LOT OWNERS, THEIR SUCCESSORS AND ASSIGNS, SHALL TAKE THEIR TITLE SUBJECT TO SAID USE OF EASEMENT.
- COMMON DRIVE EASEMENT IS RESERVED FOR ACCESS TO LOT 1. THE LOT OWNERS, THEIR SUCCESSORS AND ASSIGNS, SHALL TAKE THEIR TITLE SUBJECT TO SAID USE OF EASEMENT.



315 W. Jefferson Blvd
South Bend, IN 46601
T 574.232.8700
F 574.232.8700
abonmarche.com

Battle Creek
Benton Harbor
Lafayette
South Bend
Vladimir

Engineering - Architecture - Land Surveying

GW GRAPE ROAD MINOR SUBDIVISION
MINOR SUBDIVISION

FINAL PLAT

SHEET TITLE:

DRAWN BY:

HPM

FIELDBOOK:

HPM 1, PG. 27

PM REVIEW:

MH

QA/QC REVIEW:

HPM

DATE:

4/21/21

SEAL:



SIGNATURE:

DATE:

HARD COPY IS INTENDED TO BE 24" X 36" WHEN PLOTTED. SCALE(S) INDICATED AND GRAPHIC QUALITY MAY NOT BE ACCURATE FOR ANY OTHER SIZES.

SCALE:

HORZ: 1" = 40'

VERT:

ACI JOB #

20-2084

SHEET NO.

1 of 2

SEC. 28-T38N-R3E

APPENDIX F – QUALIFICATIONS of ENVIRONMENTAL PROFESSIONAL(S)



Mary Place

Project Manager

GENERAL SUMMARY

Mary Place has more than 15 years of environmental consulting experience.

Ms. Place has conducted over 500 Environmental Site Assessments (ESAs), Environmental Transaction Screens, and Records Search with Risk Assessments (RSRAs) throughout the US. Properties inspected have included abandoned airport properties, gasoline stations, equipment rental facilities, business office complexes, various commercial and industrial facilities, multi-tenant residential complexes, and confirmed Brownfield sites. Ms. Place has in depth project management experience working with complex multi-client redevelopment sites involving financial institutions, redevelopment firms, architects, municipality contacts and investors.

Ms. Place has evaluated facility operations for numerous industries to determine air permit applicability and has prepared initial and renewal air permits for paper coating facilities, fleet vehicle and automobile finishing facilities, foundry product manufacturers, pool manufacturers, biodiesel production facilities, commercial printers, vibrating screen manufacturers, and plastics manufacturers. Ms. Place also routinely completes quarterly emission reports, annual compliance certifications, and emission statements for applicable facilities. Applicability and compliance reporting/recordkeeping activities have included Title V, FESOP/ Synthetic Minor, MSOP, Registration, and Exemption/De Minimis Exemption-level facilities in Indiana, Ohio, Michigan, Iowa, Utah, and Pennsylvania.

For more than 13 years, Ms. Place has been a licensed asbestos building inspector in Indiana and has conducted lead-based paint surveys of commercial/industrial properties. Ms. Place has served as the primary Point-of-Contact, conducted on-site surveys, prepared bid specifications, oversight of contractors, and prepared final reports.

Other experience includes:

- Routinely completes industrial compliance documentation pertaining to EPCRA (SARA Tier II and Form R) for facilities in Indiana, Oregon, Michigan, and Nevada.
- Conduct interior environmental compliance auditing for automotive finishing industry.
- Conducted semi-annual groundwater sampling and methane monitoring for operating and closed landfills.
- Trained environmental field staff on transient and non-transient water sampling procedures for a regional consulting firm.
- Conduct and oversee field sampling and documentation for USEPA, Indiana Voluntary Remediation Program (VRP), and Brownfield investigations. All USEPA field procedures are conducted in accordance with approved QAPP and SAP protocols.

Education:

BS, Environmental Science
University of St. Francis

Registration/Certifications:

AAI Qualified Environmental Professional

OSHA 40 - Hour HAZWOPER Certification

Years of Experience:

15 years

Roles:

Staff Consultant & Project Manager

Special Training:

IDEM Licensed Asbestos Inspector
2006 to present

IDEM E101 Air Permit Training,
2019

NEPA and the Indiana
Transportation Decision Making
Process, INDOT, 2009

MDEQ/EGLE Air Quality Division,
Permit to Install Workshop, 2012
and 2019and 2019

MDEQ Air Quality Division Air
Permit Exemptions Rule 290 & Rule
291, 2017



RELEVANT EXPERIENCE

Project Manager – Phase I Environmental Site Assessments, Asbestos Surveys, Lead-based Paint Assessments, Multiple States throughout the US

Ms. Place has coordinated multiple Environmental Due Diligence projects encompassing single to multi property portfolios for various companies throughout the United States.

Ms. Place served as a key team member for conducting expedited, multi-site, Phase I ESA services for an international company. Over 100 Phase I site visits were completed in five days, across seven states, with a total Phase I ESA project completion time period of 45 days.

Project Manager – Air Permit Compliance

Ms. Place provided preparation of time-sensitive emergency response documentation following failure of emission control technology at a Title V manufacturing facility in Indiana. Services included preparation and documentation of then-existing permit deviations, details pertaining to operation and control efficiency of temporary control equipment technology, and interaction with IDEM personnel. A Title V permit modification was then submitted to reflect the design and control efficiency of permanent control equipment technology and demonstration of compliance with permit conditions via stack testing.

Project Manager – Air Permit Evaluation and Preparation

Ms. Place provided time-sensitive consulting services for a manufacturing facility in Ohio and included complete re-evaluation of a previously issued Synthetic Minor air permit to address under-estimated emission data and permit revisions in preparation of significant facility process changes. Permit evaluation included identification of de minimis site processes, re-evaluation of emission factors and PTE for 13 major emission units, evaluation of air toxics for specific chemicals of concern, and direct interaction with OEPA personnel to achieve compliance.



APPENDIX G – ACRONYMS & TERMINOLOGY



DEFINITIONS

Recognized Environmental Condition (REC): The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

Controlled Recognized Environmental Condition (C-REC): A REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

Historical Recognized Environmental Condition (H-REC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

Vapor Encroachment Condition (VEC): The presence or likely presence of chemicals of concern vapors in the sub-surface of the target property caused by the release of vapors from contaminated soil or groundwater either on or near the target property.

Environmental Lien: 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.

Activity and Use Limitation (AUL): Legal or physical restrictions or limitations on the use of, or access to, a site or facility.

ACRONYMS AND SYMBOLS

ACM/ACBM:	Asbestos Containing Material/ Asbestos Containing Building Material
AHERA:	Asbestos Hazard Emergency Response Act
AST:	Aboveground Storage Tank
ASTM:	American Society for Testing and Materials
BTEX:	Benzene, Toluene, Ethylbenzene, Xylene
CAA:	Clean Air Act
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLA:	Comprehensive Environmental Response Compensation and Liability Act
CESQG:	Conditionally Exempt Small Quantity Generator
CFR:	Code of Federal Regulations
CWA:	Clean Water Act
EPA:	United States Environmental Protection Agency
EPCRA:	Emergency Planning and Community Right-to-Know Act (Title III of SARA)
ERNS:	Emergency Response Notification System
FRP:	Fiberglass Reinforced Plastic
HRS:	Hazard Rating System for Properties on the CERCLIS List
HVAC:	Heating, Ventilation, and Air Conditioning System
LEPC:	Local Emergency Planning Committee
LUST:	Leaking Underground Storage Tank
MSDS:	Material Safety Data Sheet
MTBE:	Methyl Tertiary Butyl Ether
NESHAP:	National Emissions Standards for Hazardous Air Pollutants



NIOSH:	National Institute for Occupational Safety and Health
NIST:	National Institute of Standards and Technology
NPDES:	National Pollutant Discharge Elimination System
NPL:	National Priorities List
NVLAP:	National Voluntary Laboratory Accreditation Program
OSHA:	Occupational Safety and Health Administration
O & M:	Operations and Maintenance
PCB:	Polychlorinated Biphenyl
PCM:	Phase Contrast Microscopy
PEL:	Permissible Exposure Limit
pH:	Potential of Hydrogen (a measure of acidity or alkalinity)
PRP:	Potentially Responsible Party
PLM:	Polarized Light Microscopy
PST:	Petroleum Storage Tank
RCRA:	Resource Conservation and Recovery Act
SARA:	Superfund Amendment and Reauthorization Act
TDS:	Total Dissolved Solids
TEM:	Transmission Electron Microscopy
TPH:	Total Petroleum Hydrocarbons
TSCA:	Toxic Substances Control Act
TSD:	Treatment, Storage, and/or Disposal
TSI:	Thermal System Insulation
USDA:	United States Department of Agriculture
UST:	Underground Storage Tank
VOC:	Volatile Organic Compounds
ppb:	parts per billion
ppm:	parts per million
<:	less than
>:	greater than



APPENDIX H – SOURCE DOCUMENTS




Institutional Controls Map




My Map

RestrictedSites - Institutional Controls Approved



RestrictedSites - IC-Recorded- Area Unverified



200ft

Engineering and GIS Services Section, Office of Land Quality, Indiana Department of Environmental Management. | Maxar, Microsoft | Esri Community Maps Contributors, St Joseph County, © OpenStreetMap contributors, Microsoft, Esri Canada, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Assessment Records



Parcel

Parcel ID	Parcel Address	AV - Total Land & Improv.	Data as of
71-04-28-376-004.000-005	5505 GRAPE RD (BARGAIN BOOKS)	\$434,000	9/18/2021 10:04:00 AM

Owner Information	
Owner Name	GW Mishawaka II LLC
Owner Address	221 N Elston Ave Ste 304 Chicago IL 60614
Transfer Date	06/15/2017

Location Information			
District No.	005	Section & Plat	
Area No.	002	State Assigned District No.	005
Parcel Address	5505 GRAPE RD (BARGAIN BOOKS)	Routing No.	4-28F
		Parcel Address	5505 GRAPE RD (BARGAIN BOOKS)
		Legal Desc.	2.81 Ac Tract 811' E&W X 151' N&S Beg 315' N Of Se Corner Sw Sec 28-38-3e

Parcel Information		Topography		Services	
Zoning		Level	Y	Water	Y
Property Class Code	429	High	N	Sewer	Y
Neighborhood Code	7105420	Low	N	Gas	Y
Neighborhood Factor	100.00	Rolling	N	Electricity	Y
Neighborhood Type	B	Swampy	N	Sidewalk	N
Street or Road Code	A	Flood Hazard		Alley	N
		Waterfront Property Type			

Assessment Information					
Current AV - Total Land	\$182,700	AV - Res. Land & Lots	\$0	Legal Acreage	.0000
Current AV - Total Improv.	\$251,300	AV - Res. Improv.	\$0	Average AV/Acre	\$0
AV - Total Land & Improv.	\$434,000	AV - Res. Land & Improv.	\$0	Appraisal Date	
AV - Commercial Land	\$0	AV - Non-Res. Land	\$182,700	Reason for Change Code	19
AV - Comm. Improv.	\$251,300	AV - Non-Res. Imp.	\$251,300	Prior AV - Total Land	\$182,700
AV - Comm. Land & Imp.	\$251,300	AV - Non-Res. Land & Improv.	\$434,000	Prior AV - Total Improv.	\$284,300
AV - Dwelling	\$0	AV - Classified Land	\$0	Adj. Factor Applied	0.00
AV - Farmland	\$0	AV - Homesite(s)	\$0		

Flood Map





(//www.fema.gov/)

FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

MSC Home (/portal/)

MSC Search by Address (/portal/search)

MSC Search All Products (/portal/advanceSearch)

▼ MSC Products and Tools (/portal/resources/productsandtools)

Hazus (/portal/resources/hazus)

LOMC Batch Files (/portal/resources/lomc)

Product Availability (/portal/productAvailability)

MSC Frequently Asked Questions (FAQs) (/portal/resources/faq)

MSC Email Subscriptions (/portal/subscriptionHome)

Contact MSC Help (/portal/resources/contact)

Enter an address, place, or coordinates: ?

5505 Grape Road Mishawaka IN

Search

Whether you are in a high risk zone or not, you may need [flood insurance](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take](https://www.fema.gov/what-mitigation) to reduce flood risk damage.



Esri, USDA Farm

Custom Soil Resource Report





United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **St. Joseph County, Indiana**



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

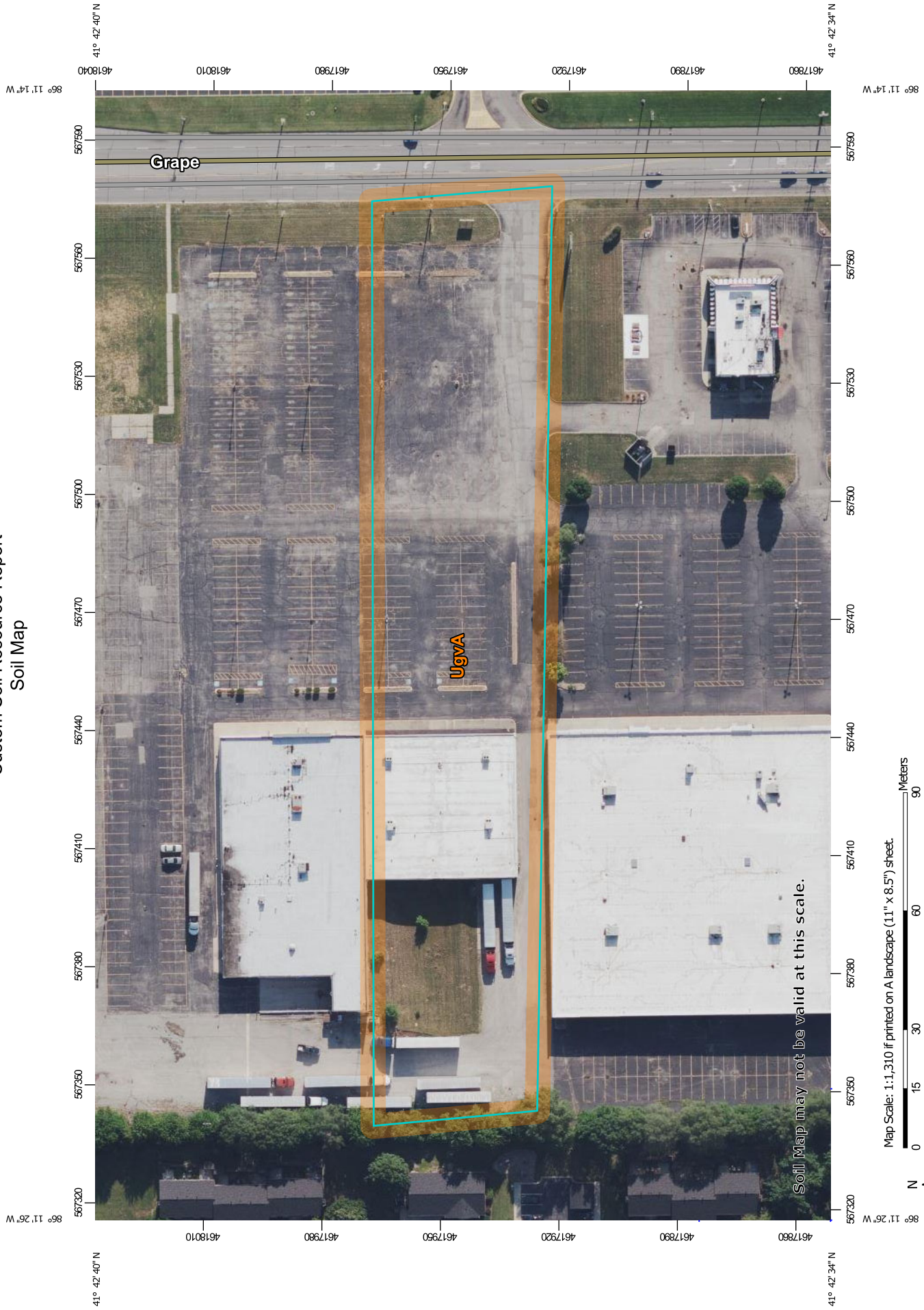
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:1,310 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

- Area of Interest (AOI)**
 - Area of Interest (AOI)
- Soils**
 - Soil Map Unit Polygons
 - Soil Map Unit Lines
 - Soil Map Unit Points
- Special Point Features**
 - Blowout
 - Borrow Pit
 - Clay Spot
 - Closed Depression
 - Gravel Pit
 - Gravelly Spot
 - Landfill
 - Lava Flow
 - Marsh or swamp
 - Mine or Quarry
 - Miscellaneous Water
 - Perennial Water
 - Rock Outcrop
 - Saline Spot
 - Sandy Spot
 - Severely Eroded Spot
 - Sinkhole
 - Slide or Slip
 - Sodic Spot
- Water Features**
 - Streams and Canals
- Transportation**
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
 - Local Roads
- Background**
 - Aerial Photography
- Other Features**
 - Spoil Area
 - Stony Spot
 - Very Stony Spot
 - Wet Spot
 - Other
 - Special Line Features

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: St. Joseph County, Indiana
 Survey Area Data: Version 24, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 13, 2020—Aug 19, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UgvA	Urban land-Tyner complex, 0 to 1 percent slopes	2.5	100.0%
Totals for Area of Interest		2.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

St. Joseph County, Indiana

UgvA—Urban land-Tyner complex, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: nk2s
Elevation: 570 to 1,540 feet
Mean annual precipitation: 34 to 40 inches
Mean annual air temperature: 47 to 50 degrees F
Frost-free period: 140 to 170 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 50 percent
Tyner and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Outwash plains

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: Unranked

Description of Tyner

Setting

Landform: Outwash plains
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy outwash

Typical profile

Ap - 0 to 12 inches: loamy sand
Bw1 - 12 to 20 inches: loamy sand
Bw2 - 20 to 41 inches: sand
Bw3 - 41 to 80 inches: sand

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

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Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A
Ecological site: F098XA014MI - Dry Sandy Drift Plains
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Minor Components

Osolo

Percent of map unit: 5 percent
Landform: Outwash terraces, outwash plains
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Bristol

Percent of map unit: 3 percent
Landform: Outwash terraces, outwash plains
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Coloma

Percent of map unit: 2 percent
Landform: Moraines, outwash plains
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

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Custom Soil Resource Report

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Water Well Logs



Record of Water Well

Indiana Department of Natural Resources

Reference Number 257220	Driving directions to well 1/4 M W OF GRAPE RD 300' N OF DOUGLAS RD	Date completed Mar 23, 1971
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Owner-Contractor	Name	Address	Telephone
Owner	UNIROYAL INC	MISHAWAKA, IN	
Driller	LAYNE NORTHERN CO	MISHAWAKA, IN	
Operator	BILARSKI	License: null	

Construction Details	Use: Test	Drilling method: Rotary	Pump type:
Well	Depth:	Pump setting depth:	Water quality:
Casing	Length: 27.0	Material:	Diameter: 2.5
Screen	Length: 2.0	Material:	Diameter: 1.25 Slot size:

Well Capacity Test	Type of test:	Test rate: gpm for hrs.	BailTest rate: gpm for hrs.
	Drawdown: ft.	Static water level: ft.	Bailer Drawdown ft.

Grouting Information	Material: DRILLING MUD	Depth: from to
	Installation Method:	Number of bags used:

Well Abandonment	Sealing material:	Depth: from to
	Installation Method:	Number of bags used:

Administrative	County: ST. JOSEPH	Township: 38N Range: 3E
	Section: NE of the SW of the SW of Section 28	Topo map: SOUTH BEND EAST
	Grant Number:	
	Field located by:	on:
	Courthouse location by:	on:
	Location accepted w/o verification by:	on:
	Subdivision name:	Lot number:
	Ft W of EL:	Ft E of WL: Ft S of NL:
	Ground elevation: 753.0	Bedrock elevation: Aquifer elevation: 724.0
	UTM Easting: 567100.0	UTM Northing: 4617675.0

Well Log	Top	Bottom	Formation
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0.0	4.0	BRN FN SAND
4.0	6.0	BRN SILTY CLAY
6.0	17.0	BRN FN SAND
17.0	28.0	BRN SAND
28.0	31.0	BRN S/G
31.0	35.0	BRN SAND
35.0	43.0	BRN S/G
43.0	53.0	GRAY SAND FN GRAV
53.0	83.0	GRAY FN SAND
83.0	98.0	BRN FN VERY FN SAND
98.0	100.0	GRAY SANDY CLAY/GRAV

Comments

TW #3. APPROX LOCATION

Record of Water Well

Indiana Department of Natural Resources

Reference Number 44616	Driving directions to well 1 1/2 BLK N OF DOUGLAS ON E SIDE OF GRAPE.	Date completed Mar 07, 1967
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Owner-Contractor	Name	Address	Telephone
Owner	HENRY COUSSENS	53734 GRAPE RD	
Driller	SRIVER DRILLING CO., INC.	59755 MARKET ST, SOUTH BEND, IN	(000) 288-5362
Operator	RON CORRELL	License: null	

Construction Details

Well	Use: Stock	Drilling method:	Pump type:
	Depth: 40.0	Pump setting depth:	Water quality:
Casing	Length: 36.0	Material:	Diameter: 2.0
Screen	Length: 4.0	Material:	Diameter: 2.0 Slot size: 10

Well Capacity Test	Type of test:	Test rate: 15.0 gpm for 1.0 hrs.	BailTest rate: gpm for hrs.
	Drawdown: ft.	Static water level: 21.0 ft.	Bailer Drawdown ft.

Grouting Information	Material:	Depth: from to
	Installation Method:	Number of bags used:

Well Abandonment	Sealing material:	Depth: from to
	Installation Method:	Number of bags used:

Administrative	County: ST. JOSEPH	Township: 38N Range: 3E	
	Section: SW of the SE of Section 28	Topo map: SOUTH BEND EAST	
	Grant Number:		
	Field located by:	on:	
	Courthouse location by:	on:	
	Location accepted w/o verification by: HCK	on: Apr 01, 1976	
	Subdivision name:	Lot number:	
	Ft W of EL:	Ft E of WL:	Ft S of NL:
	Ground elevation:	Depth to bedrock:	Bedrock elevation: Aquifer elevation:
	UTM Easting:	UTM Northing:	

Well Log	Top	Bottom	Formation
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0.0

40.0

SAND & GRAVEL

Comments

Record of Water Well

Indiana Department of Natural Resources

Reference Number 44596	Driving directions to well SW OF GRANGER IN ON SR 23 TURN S ON GRAPE ROAD ABOUT 3/4 MILE	Date completed May 21, 1962
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Owner-Contractor	Name	Address	Telephone
Owner	JOHN NOWAK	53761 GRAPE ROAD, GRANGER, IN	
Driller	B. J. LEWIS & SONS	1760 EAST, CASSOPOLIS, MI	
Operator	WILLIAM WILLARD	License: null	

Construction Details

Well	Use: Home	Drilling method: Jet	Pump type:
	Depth: 42.0	Pump setting depth:	Water quality:
Casing	Length: 21.0	Material:	Diameter: 4.0
Screen	Length: 6.0	Material:	Diameter: 4.0 Slot size: 10

Well Capacity Test	Type of test:	Test rate: 33.3 gpm for hrs.	BailTest rate: gpm for hrs.
	Drawdown: ft.	Static water level: 20.0 ft.	Bailer Drawdown ft.

Grouting Information	Material:	Depth: from to
	Installation Method:	Number of bags used:

Well Abandonment	Sealing material:	Depth: from to
	Installation Method:	Number of bags used:

Administrative	County: ST. JOSEPH	Township: 38N Range: 3E	
	Section: SW of the SE of Section 28	Topo map: SOUTH BEND EAST	
	Grant Number:		
	Field located by:	on:	
	Courthouse location by:	on:	
	Location accepted w/o verification by: HCK	on: Apr 01, 1976	
	Subdivision name:	Lot number:	
	Ft W of EL:	Ft E of WL:	Ft S of NL:
	Ground elevation:	Depth to bedrock:	Bedrock elevation: Aquifer elevation:
	UTM Easting:		UTM Northing:

Well Log	Top	Bottom	Formation
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0.0	5.0	SURFACE DIRT
5.0	25.0	SAND
25.0	36.0	SAND & GRAVEL
36.0	42.0	WATER BEARING

Comments

Record of Water Well

Indiana Department of Natural Resources

Reference Number 316209	Driving directions to well FROM UP MALL ON SR23 S TO 2ND ON E SD OF RD UNDER VIDACK OF 80 & 90 TOLL RD	Date completed Aug 11, 1998
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Owner-Contractor	Name	Address	Telephone
Owner	DON WILSON	810 VISTULA, OSCEOLA, IN	(219) 674-2834
Driller	TABER'S PUMP & WELL SVC., INC.	10100 HARRISON RD., OSCEOLA, IN	
Operator	SCOTT TABER	License: 175	
Company		WELL AT 16972 SR23, MISH. IN	

Construction Details

Well	Use: Home	Drilling method: Rotary	Pump type:
	Depth: 65.0	Pump setting depth: 40.0	Water quality: CLEAR
Casing	Length: 60.0	Material: PVC	Diameter: 4.0
Screen	Length: 5.0	Material: PVC	Diameter: 4.0 Slot size: .016

Well Capacity Test	Type of test: Air	Test rate: 40.0 gpm for hrs.	BailTest rate: gpm for hrs.
	Drawdown: ft.	Static water level: 28.0 ft.	Bailer Drawdown ft.

Grouting Information	Material: BNSL	Depth: from 60.0 to 30.0
	Installation Method: PRESS	Number of bags used: 3.0

Well Abandonment	Sealing material:	Depth: from to
	Installation Method:	Number of bags used:

Administrative	County: ST. JOSEPH	Township: 38N Range: 3E		
	Section: SW of Section 28	Topo map: SOUTH BEND EAST		
	Grant Number:			
	Field located by:	on:		
	Courthouse location by:	on:		
	Location accepted w/o verification by:	on:		
	Subdivision name:	Lot number:		
	Ft W of EL:	Ft N of SL:	Ft E of WL:	Ft S of NL:
	Ground elevation:	Depth to bedrock:	Bedrock elevation:	Aquifer elevation:
	UTM Easting:		UTM Northing:	

Well Log	Top	Bottom	Formation
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0.0

65.0

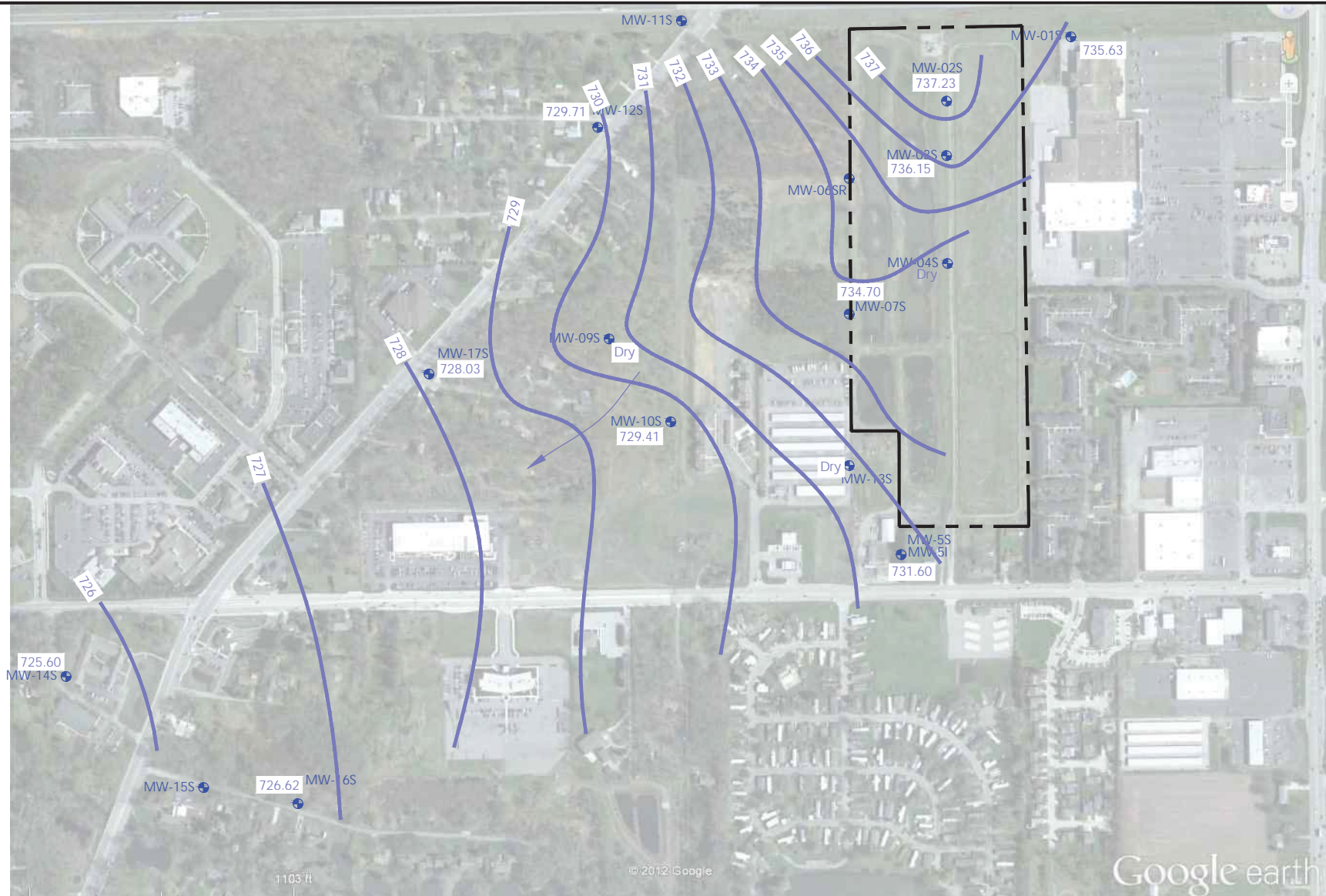
S&G

Comments

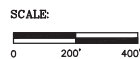
SEE MAP

IDEM VFC Records





- MW-14S Groundwater Monitoring Well/ID
- MW-14I Groundwater Contour w/Elevation
- 725.14 Groundwater Elevation
- Groundwater Flow Direction



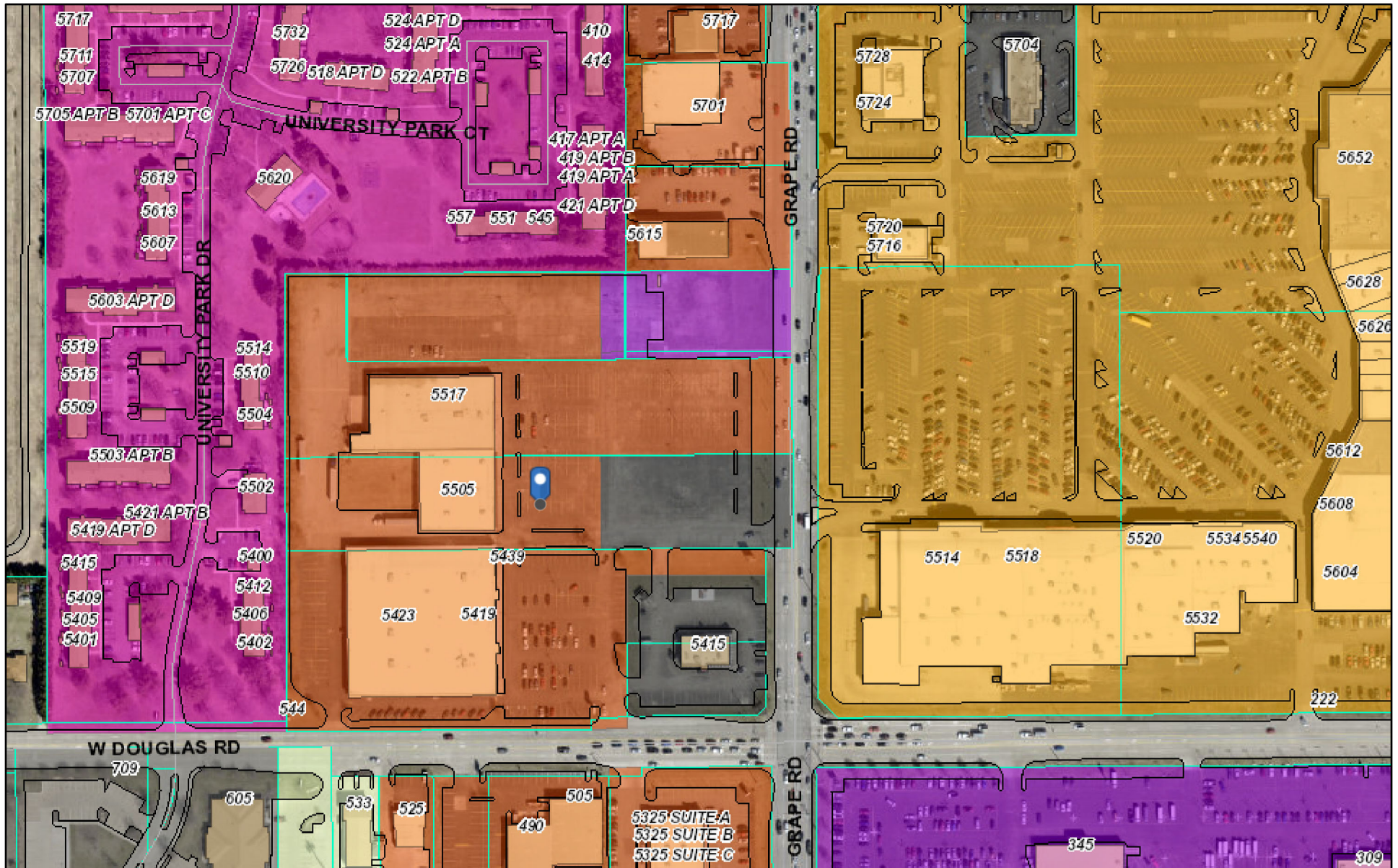
Project: Douglas Road Landfill Superfund Site St. Joseph County Mishawaka, Indiana	
Project Number: 16575	Drawn By: J. DuMond
Date: May 2, 2016	Approved By: SG
	File No. 16575_wells

Figure 2
Groundwater Potentiometric Surface Map
April 12, 2016

Zoning Map



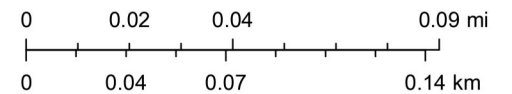
City of Mishawaka Zoning



9/21/2021, 2:17:10 PM

- | | | | | | |
|-------------------|--------------------|------------|--------------------|-----------|------------|
| Hydrology | Road Edges | Proposed | Buildings | Proposed | Centerline |
| MishParcelsLatest | <all other values> | Tempparcel | <all other values> | Rail Road | |
| | Existing | | Existing | Active | |

1:2,652



Legend

Mish Base Map Layers - Expand for Options

MishParcelsLatest



Zoning

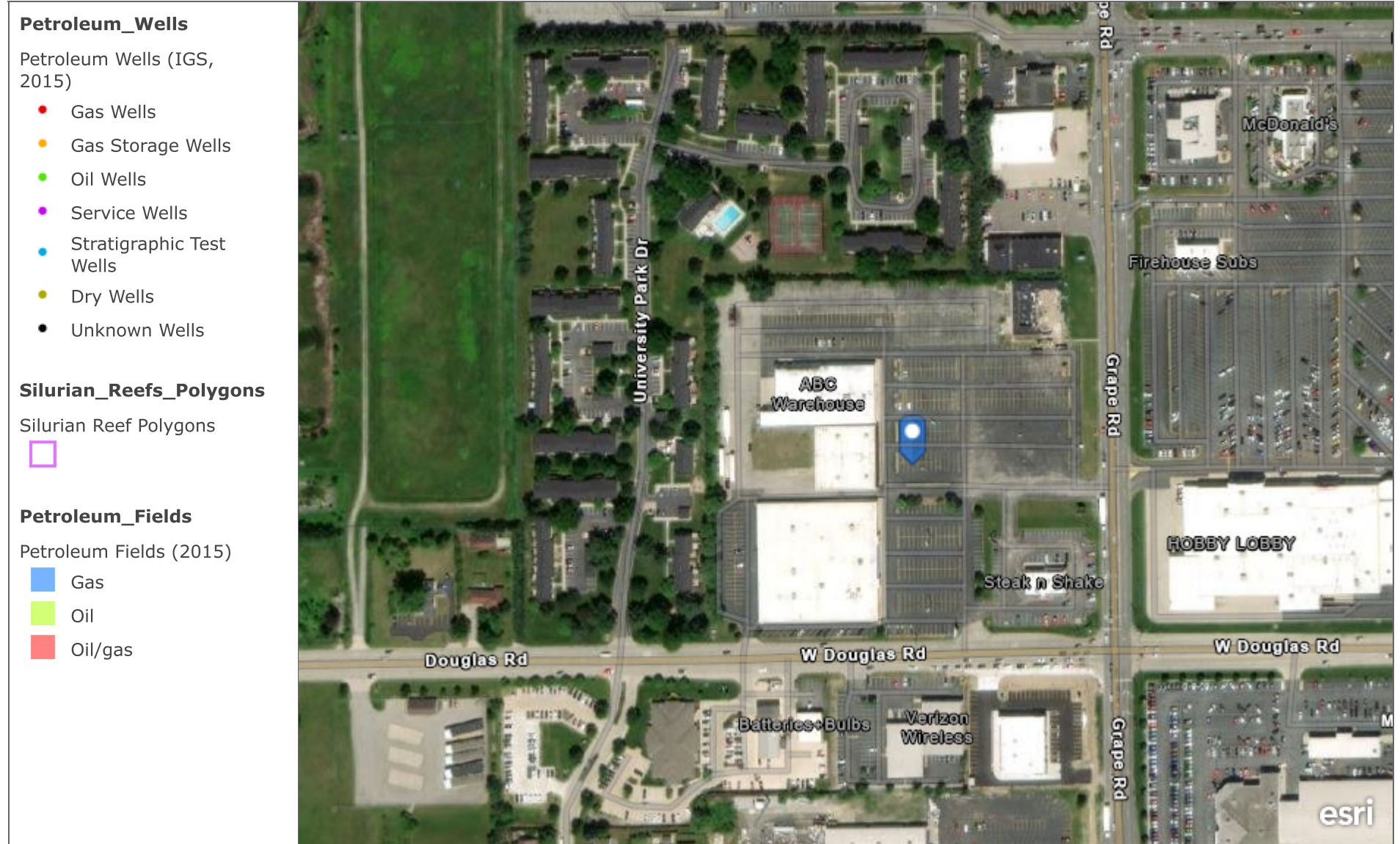
Mishawaka Zoning

-  R-1 Single Family Residential
-  R-2 Two-Family Residential
-  R-3 Multi-Family Residential
-  R-4 Manufactured Home Residential
-  C-1 General Commercial
-  C-2 Shopping Center Commercial
-  C-3 City Center Commercial
-  C-4 Auto-Oriented Commercial
-  C-5 Neighborhood Commercial
-  C-6 Linear Office Commercial
-  C-7 Auto-Oriented Restaurant Comm
-  C-8 High Density Suburban Comm
-  C-9 Automobile Sales Commercial
-  C-10 Filling Station Commercial
-  I-1 Light Industrial
-  I-2 Heavy Industrial
-  S-1 Extensive Open Space
-  S-2 Planned Unit Development

Oil and Gas Well Map



Indiana Oil and Gas Well Map

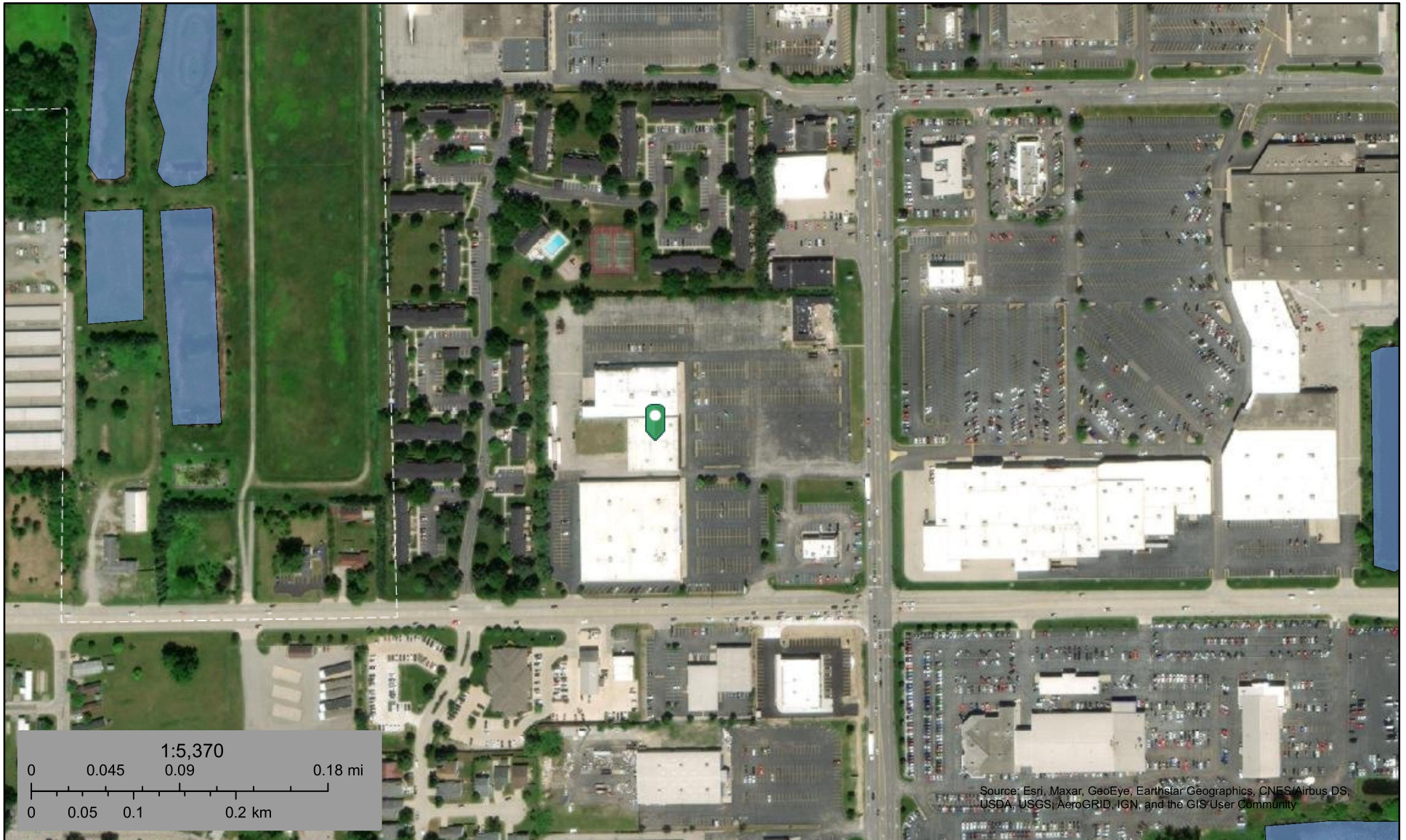


Indiana Oil and Gas

300ft

Wetlands Inventory Map





September 21, 2021

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Freshwater Forested/Shrub Wetland
- Other
- Estuarine and Marine Wetland
- Freshwater Pond
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

EPA Radon Zones Map



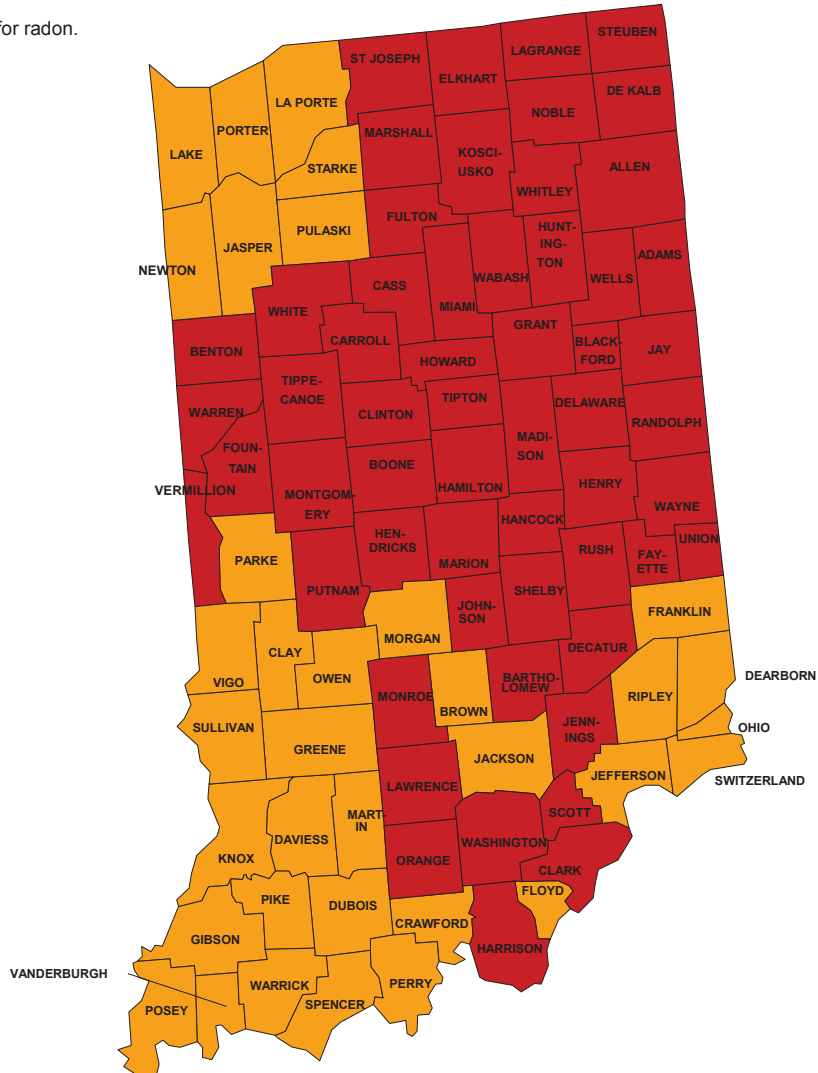
INDIANA - EPA Map of Radon Zones

<http://www.epa.gov/radon/zonemap.html>

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.



IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of Indiana" (USGS Open-file Report 93-292-E) before using this map. <http://energy.cr.usgs.gov/radon/grpinfo.html> This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.



Zone 1



Zone 2



Zone 3