EXHIBIT C

PHASE I ENVIRONMENTAL SITE ASSESSMENT

STRUEWING PROPERTY

Project No. 23151(1)

Prepared for:

Oberer Land Developers Ltd.

Prepared by:

KILBANE ENVIRONMENTAL

May 12, 2020

PHASE I ENVIRONMENTAL SITE ASSESSMENT

STRUEWING PROPERTY

Project No. 23151(1)

Oberer Land Developers Ltd.
05/12/2020

KILBANE ENVIRONMENTAL
6236A Centre Park Drive
Cincinnati, OH 45069
Phone: (513) 874-6650
Fax: (513) 554-0394
Email: info@kilbaneenv.com

TABLE OF CONTENTS

SECTION **PAGE**

FIGURES

APPENDIX A

APPENDIX B

APPENDIX C

APPENDIX D

APPENDIX E

ACRONYMS

AST	Aboveground Storage Tank
ASTM	American Society for Testing Materials
BUSTR	Bureau of Underground Storage Tank Regulation
CAP	Corrective Actions in Progress
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation Liability Information System
CFR	Code of Federal Regulations
CLO	Closure
DEF	Deficiency
DERR	Division of Emergency and Remedial Response
ERNS	Emergency Response Notification System
LUST	Leaking Underground Storage Tank
msl	mean sea level
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
ODNR	Ohio Department of Natural Resources
OEPA	Ohio Environmental Protection Agency
OSFMO	Ohio State Fire Marshal's Office
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
RCRA CORRACTS	RCRA facilities subject to Corrective Action
RCRA non-CORRACTS TSD	RCRA Treatment, Storage, and Disposal facilities not subject to Corrective Action
RCRIS	Resource Conservation and Recovery Act Information System
RPT	Reported
SABR	Site Assessment and Brownfield Revitalization Program
SAC	Site Assessment Completed
SCS	Soil Conservation Service
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Sites
SWL	Solid Waste Landfills
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank

EXECUTIVE SUMMARY

The purpose of this investigation was to identify potential environmental liabilities associated with the project Site ("Site"), based on review of available public documentation and a Site reconnaissance performed on April 20, 2020. The Site is irregular in shape and consists of fifteen parcels totaling 50.7301 acres of vacant, undeveloped agricultural and residential property. The Site is both Miami Township and Yellow Springs in Greene County, Ohio. One parcel (the southern portion of the Site) is located on E. Hyde Road in Miami Township. The remaining fourteen parcels (the northern portion of the Site) have addresses of Margaret Drive, Morgan Hill and Southgate Avenue in Yellow Springs. Based on county auditor information, aerial photographs, and interviews, the Site has been undeveloped/agricultural property since at least 1948.

A review of state and federal databases identified twelve listings within the applicable search radius of the Site. The database results are summarized below:

Summary of Regulatory File Review

Database	Search Radius	Total Identified
SEMS/CERCLIS	½-mile	1
SEMS/CERCLIS Archive	½-mile	1
NPL	1-mile	0
RCRA	Site & Adjacent	3
RCRA CORRACTS	1-mile	1
RCRA non-CORRACTS TSD	½-mile	0
ERNS	Site	0
STATE/FEDERAL IC/EC	½-mile	0
SHWS/DERR	1-mile	2
SWL	½-mile	0
UST	Site & Adjacent	1
LUST	½-mile	1
Brownfield/VCP	½-mile	0
Spills	Site	1
Other	½-mile	1

The Site consists of 50.7301 acres of vacant undeveloped agricultural and residential property. Based on distance, status, location and/or local topography, the potential for the facilities identified by the database to impact the Site is considered unlikely. No recognized environmental conditions (RECs) were identified for the Site.

1.0 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment prepared for the Site. This report contains general information that may not be specific to the Site, however the information is included for completeness.

1.1 PURPOSE AND SCOPE OF WORK

The purpose of this investigation was to identify potential environmental liabilities associated with the Site. Kilbane Environmental personnel performed a Site reconnaissance on April 20, 2020. The scope of work for this assessment included the following:

- A Site "walk-over" inspection of surface conditions and potential problems or suspect contamination areas (e.g., chemical spills, PCB, fill areas, noxious odors, pools of liquid, stained soils or stressed vegetation). This walkover included an internal inspection of any existing buildings or structures to assess the potential for contamination and/or hazardous practices that could adversely impact the environment.

- A visual survey of the properties in the Site vicinity to evaluate the potential for impact to the Site from these properties.

- The assessment included a review of available property records and/or other field information to establish past land usage (e.g., ownership records, aerial photographs, Sanborn maps, city directories, USGS and Soil Conservation Service publications, foundation borings, and prior environmental assessment reports, if available). The current and past property owners were also interviewed, if available.

- A review of available state and federal files pertaining to this Site and surrounding area. Unless otherwise specified, we have provided the following information from review of available public files and regulatory agencies.

    1. Local Health and Fire Department records for the Site.

    2. SEMS/CERCLIS facilities within a ½-mile radius of the Site.

    3. NPL facilities within a one-mile radius of the Site.

    4. RCRA facilities on or adjacent to the Site.

    5. RCRA CORRACTS facilities within a one-mile radius of the Site.

    6. RCRA non-CORRACTS TSD facilities within a ½-mile radius of the Site.

    7. ERNS records for the Site.

8. IC/EC Registries within a ½-mile radius of the Site.
9. SHWS/DERR facilities within a one-mile radius of the Site.
10. SWL facilities within a ½-mile radius of the Site.
11. USTs on or adjacent to the Site.
12. LUST facilities within a ½-mile radius of the Site.
13. Brownfield locations within a ½-mile radius of the Site.
14. State Spills records for the Site.

1.2 LIMITATIONS, ASSUMPTIONS, ADDITIONS AND EXCEPTIONS OF THE ASSESSMENT

The information presented in this report represents observations and other data available at the time of our reconnaissance and the preparation of this report. This report has been prepared for the exclusive use of Oberer Land Developers Ltd. and any affiliate(s) of Oberer Land Developers Ltd. designated by Oberer Land Developers Ltd. in connection with the real estate transaction of the subject property. This report is designed to satisfy the requirements for the innocent landowner defense to CERCLA liability as defined in 42 USC 9601(34)B. The conclusions provided by Kilbane Environmental are based solely on the scope of work conducted and the sources of information referenced in this report. Kilbane Environmental relied on interviews with Site representative, regulatory officials and documentation from state and local agencies. Kilbane Environmental assumed, where reasonable to do so, that the information is true and accurate. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and data available to Kilbane Environmental during this assessment. Any additional information that becomes available concerning this Site should be provided to Kilbane Environmental so that our conclusions may be reviewed and modified as necessary. This report is not an audit of regulatory compliance or detailed condition survey for the presence of asbestos, lead paint, PCBs, radon or other naturally occurring non-disposed materials.

It is our understanding that this report is to be used and distributed for purposes connected with the real estate transaction of this Site. The contents of this report may not be copied, provided or otherwise relied upon in whole or part, by any other party than Oberer Land Developers Ltd. and any affiliate(s) of Oberer Land Developers Ltd. designated by Oberer Land Developers Ltd.

and their designees without the prior written consent of Oberer Land Developers Ltd. and Kilbane Environmental.

1.3 ASSESSMENT AUTHORIZATION AND RELIANCE

This investigation was performed for Oberer Land Developers Ltd. Authorization to perform this assessment was in the form of a written agreement between Mr. Greg Smith and Kilbane Environmental. Oberer Land Developers Ltd. and any affiliate(s) designated by Oberer Land Developers Ltd. and their designees can rely upon the information in this report as of the date of this report.

2.0 SITE DESCRIPTION

2.1 SITE LOCATION

The Site is located in both Miami Township and Yellow Springs in Greene County, Ohio. One of the parcels is comprised of 33.8530 acres (parcel number F16000100100005800) having an address of E. Hyde Road in Miami Township, Greene County, Ohio. The remaining fourteen parcels are comprised of 16.8771 acres having an address of Margaret Drive (parcel numbers F19000100180001100, F19000100180001200 and F19000100180001300), Morgan Hill (parcel numbers F19000100180002300, F19000100180002400, F1900010018002500, F19000100180002600, F19000100180002700 and F19000100180002800) and Southgate Avenue (parcel numbers F19000100180000300, F19000100180003200, F19000100180003400, F19000100180003500 and F19000100060013300) in Yellow Springs, Greene County, Ohio. The Site is shown on the Yellow Springs 7½-minute quadrangle map (Figure 1).

2.2 CURRENT SITE USE AND GENERAL SITE DESCRIPTION

The Site is irregular in shape and consists of fifteen parcels totaling 50.7301 acres of vacant, undeveloped agricultural and residential property.

2.3 STRUCTURES, ROADS, IMPROVEMENTS

No structures are located on the Site. Southgate Avenue ends at the northern portion of the Site and E. Hyde Road is located at the southern boundary of the Site. Several storm water lines and associated manholes cross the Site.

2.4 ADJACENT LAND USES

The Site is located in an area that generally consists of residential and agricultural properties. Commercial properties (restaurant and office) are located adjacent to the northwestern portion of the Site. Figure 2 shows the Site and surrounding properties.

3.0 USER PROVIDED INFORMATION

The historical uses of the Site were established by evaluation of available public records and interviews. This evaluation assists in determining past usage or practices that may have generated, stored, or accepted for disposal, hazardous materials or wastes.

3.1 TITLE RECORDS, ENVIRONMENTAL LIENS, AND SITE USE LIMITATIONS

Potential environmental concerns may be identified by a review of past ownership records; however, these records are not a guarantee of actual historical activities. The following information was reviewed by Kilbane Environmental from the Greene County Auditor's website regarding ownership of the Site:

Parcel Number F1600010000005800:

Owner	Date of Transfer
Struewing, Kenneth L and R. Betheen	09/2005
Kahoe, Margaret W. and Patsy	02/2005

Parcel Numbers F19000100180001100, F19000100180001200, F19000100180001300, F19000100180002300, F1900100180002400, F1900100180002500, F1900100180002600, F19000100180002700, F19000100180002800, F1900100180000300, F1900100180003200, F19000100180003400 and F19000100180003500:

Owner	Date of Transfer
Struewing, Kenneth L and R. Betheen	09/2005
Struewing, William J and Mary E	prior

Parcel Number: F19000100060013300:

Owner	Date of Transfer
Struewing, Kenneth L ETAL	05/1998

Kilbane Environmental did not perform a lien search. Kilbane Environmental was not provided a Chain of Title by the User. The User did not indicate any known environmental liens or Activity and Use Limitations associated with the Site. No environmental concerns were identified with the historical ownership of the Site.

3.2 REASON FOR PERFORMING PHASE I ENVIRONMENTAL SITE ASSESSMENT

This assessment is required as part of a real estate transaction, financing and due diligence.

3.3 SPECIALIZED KNOWLEDGE, COMMONLY KNOWN, OR REASONABLY ASCERTAINABLE INFORMATION

The User did not indicate any specialized knowledge or experience that is evidence of recognized environmental concerns at the Site.

3.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The User indicated that the purchase price does reflect fair market value.

3.5 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

Owner

Mr. and Mrs. Ken and Betheen Struewing, Owners of the property, were interviewed as part of this assessment. Mr. and Mrs. Struewing indicated that the property located in Miami Township is wooded and tillable acres and that the property was leased for agricultural use and agricultural chemicals were likely used. They also indicated that an old inactive well is located on the property 30-50 feet north of the northeast corner of the 734 E. Hyde Road property and that it is the possible site of an old windmill. According information provided by the Struewings a well was located on the eastern portion of this property related to an investigation by YSI. The well was removed under approval from OEPA based on a review of sampling results. Mr. and Mrs. Struewing indicated that the property located in Yellow Springs is vacant land with no buildings present. They did not indicate any knowledge of environmental conditions associated with this portion of the Site.

User

Mr. Greg Smith, Representative of the User, was interviewed as part of this assessment. Mr. Smith did not indicate any knowledge of environmental conditions associated with the Site.

4.0 RECORDS REVIEW

4.1 REGULATORY FILE REVIEW

Brief descriptions of federal and state programs have been included for reference. The search criteria was initiated using the Site zip code and either expanded or narrowed as necessary in an effort to identify properties or facilities with environmental concerns that may impact the Site. A copy of the database report prepared by Envirosite Corporation for the Site on April 7, 2020 is provided in Appendix A. The databases searched are listed in the attached report and include the Standard Environmental Record Sources and Additional Record Sources referred to in the ASTM standard, including Tribal Record Sources, where appropriate. Other databases were reviewed but only mentioned if a potential environmental concern is identified. Facilities listed in the database report are not always mapped in the correct locations or may be listed as unmappable because of incomplete or incorrect address information. KEI field observations and research are used in this section to verify and correct some location information as identified in the database report.

The Site is not listed on any of the environmental databases searched.

A description of the various databases is as follows:

- Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of the United States Environmental Protection Agency (USEPA) Superfund Program across the United States. The list was formerly known as Comprehensive Environmental Response, Compensation Liability Information System (CERCLIS) renamed to SEMS by the USEPA in 2015. The SEMS 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 the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites that 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 USEPA listings identified one SEMS facility within a ½-mile search radius of the Site.

  SEMS-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 (No Further Remedial Action Planned) renamed to SEMS-ARCHIVE by the USEPA in 2015. Archive status indicates that to the best of USEPA's knowledge, assessment at the site has been completed and that USEPA has

determined no further steps will be taken to list the site on the NPL, unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. A review of the USEPA listings identified one SEMS-ARCHIVE facility within a ½-mile search radius of the Site.

- National Priority List (NPL) facilities are sites that are listed by USEPA under CERCLA with the highest priority for cleanup. A review of the USEPA listings identified no NPL facilities within a one-mile search radius of the Site.

- The Resource Conservation and Recovery Act (RCRA), passed in 1976, established a regulatory system to track hazardous substances from the time of generation to disposal. It also requires safe and secure procedures to be used in treating, storing, and disposing of hazardous materials. A listing under RCRIS (Resource Conservation and Recovery Information System) is not a direct indication of environmental concerns with a facility. A review of the USEPA listings identified three RCRA generators within ¼-mile search radius of the Site.

- CORRACTS are RCRA facilities with reported violations which are subject to Corrective Action. A review of the USEPA listings identified one RCRA CORRACTS facility within a one-mile search radius of the Site.

- Non-CORRACTS TSD are RCRA facilities which treat, store or dispose of hazardous materials and are not subject to Corrective Action. A review of the USEPA listings identified no RCRA TSD facilities within a ½-mile search radius of the Site.

- IC/EC (Institutional Control/Engineering Control) sites are federally and state managed sites that have either institutional or engineering controls. Institutional controls (IC) are those controls that seek to prevent exposure to contaminants remaining on a site (groundwater use restrictions, construction restrictions, property use restrictions, deed restrictions and post remediation care requirements). Engineering controls (EC) include caps, building foundations, liners and treatment methods to eliminate the means by which regulated substances can enter into the environment or affect human health. A review of the USEPA and OEPA records identified no IC/EC facilities within the ½-mile search radius of the Site.

- The USEPA maintains a database of reportable spills called the Emergency Response Notification System (ERNS). A reportable spill is "any unexpected, unintended, abnormal, or unapproved dumping, leakage, drainage, seepage, discharge or other loss of oil, hazardous substances and/or otherwise objectionable substance which enters or threatens to enter the waters of the State." According to spill regulations, reporting is required for spills "of such volume or mass as to cause or threaten to cause damage to the public health, safety and welfare, aquatic biota, animal life, plant life or recreation, domestic, commercial, industrial or agricultural uses." A review of the USEPA records identified no ERNS listings within the search radius of the Site.

- The Ohio Environmental Protection Agency (OEPA) Division of Emergency and Remedial Response (DERR) maintains a database of State Hazardous Waste Sites (SHWS). State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where potentially responsible parties will pay for cleanup. A review of the OEPA records identified two SHWS/DERR facilities within a one-mile search radius of the Site.

- Solid Waste Landfills (SWL) are any facilities included on the OEPA Division of Solid and Infectious Waste Management databases of all Compost and Demolition Debris, Industrial and Residual Waste, Municipal Solid Waste Landfills and Municipal and Solid Waste Transfer Facilities. A review of the OEPA listings identified no SWL facilities within a ½-mile search radius of the Site.

- The Ohio State Fire Marshal's Office (OSFMO) maintains a database of all registered Underground Storage Tanks (USTs). USTs which are not regulated include, heating oil USTs used for heating the premises, residential and farm USTs of less than 1,100 gallons in size. A review of OSFMO records identified one UST facility within a ¼-mile search radius of the Site.

- The OSFMO maintains a database of regulated Leaking Underground Storage Tanks (LUSTs). A review of OSFMO records identified one LUST facility within a ½-mile search radius of the Site.

- 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. A review of sites that have voluntarily submitted information to the Brownfield inventory as part of the Site Assessment and Brownfield Revitalization Program (SABR) identified no Brownfields within a ½-mile radius of the Site.

- A database of spills reported to the US Department of Transportation (USDOT). A review of the USDOT database identified one Spill listing within the search radius of the Site.

- Other listings of the databases searched identified one "Other" listing within the search radius of the Site.

Listing	Address	Distance from Site & Direction	SEMS	SEMS ARCHIVE	NPL	RCRA GENERATOR	RCRA CORRACTS	RCRA TSD	ERNS	IC/EC	SHWS/DERR	SWL	UST/AST	LUST	BROWNFIELD/VCP	SPILLS	OTHER	STATUS / DATA
Morris Bean & Co Inc., Yellow Springs	777 E. Hyde Rd	0.002 mi SSE									√							Remedial Response
Bean Morris And Co	777 E Hyde Rd	0.002 mi SSE				√												SQG
N/R	777 E Hyde Rd	0.009 mi SSE														√		Air Particulates, Ammonia, Human Sewage, Waste Water
YSI Inc, Yellow Springs	1700 & 1725 Brannum Ln	0.054 mi NNW									√							Remedial Response
Yellow Springs Instrument Co Inc	1725 Brannum Lane	0.054 mi NNW				√	√											SQG; CORRACTS:CA Performance Standards Attained
Yellow Springs Instruments (YSI) Area Wells	US 68 and Brannum Road	0.091 mi WSW	√	√														State-Lead Cleanup
Village Auto	1455 Xenia Ave	0.155 mi N				√												RCRA NonGen
James Shattuck	1435 Xenia	0.178 mi N											√	√				UST: REM(5); LUST: CLO(1)
00435	394638, 835347	0.356 mi SSE															√	Sludge

SQG: Small Quantity Generator – generates between 100 – 1000 kg/month of hazardous wastes

RCRA NonGen: RCRA Non-Generator – no longer generates hazardous wastes

REM: Removed

CLO: Closure

Based on distance, status, location, local topography and/or other available information, the potential for the facilities identified by the database to impact the Site is considered unlikely. A review of OEPA files indicated that monitoring wells had been installed on the Site to evaluate impacted groundwater from the YSI, Inc. facility located west of the Site. Although a few chemicals were detected in these wells during the sampling periods (decreasing over time) none of the levels were reported above the USEPA drinking water standards. The wells have since been removed from the Site under permission from OEPA.

4.2 PHYSICAL SETTING

The Yellow Springs, Ohio 7½-minute quadrangle map and Greene County CAGIS were reviewed to determine the physical setting of the Site (Figure 1). The elevation of the Site is generally level at approximately 1,000 feet above mean sea level (msl) along the northwest property boundary of the Site sloping slightly down to an approximate elevation of 970 feet above mean sea level in the southeastern portion of the Site. The migration of compounds that may pose environmental concern to the Site from adjoining or nearby properties is typically associated with shallow groundwater flow. Shallow groundwater flow is expected to mimic local topography. As such, properties that are at a lower elevation, hydraulically downgradient or cross-gradient are not expected to pose an environmental concern to the Site.

Regional Geology

The Site lies in the Southern Ohio Loamy Till Plan physiographic region of the State of Ohio. Topsoil on the Site is labeled as Miamian Series Silt loam, Miamian Series Clay loam and Brookston Silty clay loam. A description of the soil is included with the environmental database included in Appendix A.

Regional Hydrogeology

According to the Ohio Department of Natural Resources (ODNR), “Available Ground Water in Green County, Ohio,” the Site is a poor source of groundwater, producing 3 to 10 gallons per minute (gpm). Bedrock consists of limestone bedrock.

Based on the surface topography of the Site vicinity, it is likely that shallow groundwater on the Site will flow toward the west and south and unnamed tributaries of the Little Miami River.

4.3 HISTORICAL INFORMATION

The objective of consulting historical sources is to develop a history of the previous uses of the Site and Site vicinity in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Site. Historical use information describing the Site and vicinity was obtained from a variety of available sources as summarized in the following tables and discussed below.

Aerial Photographs

Aerial photographs of developed and undeveloped land have been produced since approximately 1930. Where available through local and federal government agencies, aerial photographs can be used to evaluate the historical use of a Site and vicinity. Aerial photographs were provide by Envirosite Corporation for the following years; 2017, 2015, 2013, 2011, 2009, 2004, 2000, 1994, 1989, 1984, 1979, 1975, 1973, 1968, 1964, 1960 and 1948. A review of these aerial photographs shows the Site as agricultural land from 1948 to present. Significant observations noted in the aerial photographs are described below:

Date	Observations
2017	The Site is shown as undeveloped agricultural land with wooded areas in the south and northwestern portions of the Site. Cropland is shown in the southcentral portion of the Site with grassland in the northern portion of the Site. Residential properties are located to the north and east of the Site. A few commercial properties are shown northwest of the Site with other commercial properties further to the west.
1979	The Site and surrounding properties appear generally the same as 2017; however, an area of fill appears to be located in the northcentral portion of the Site.
1968	The residential development to the east and north of the Site appears to be under construction. An area of potential fill appears to be located on and adjacent to the northern portion of the Site.
1964	The commercial properties further to the east are shown smaller and possibly under construction.
1948	The Site and surrounding properties appear as undeveloped and agricultural land.

Review of readily available aerial photographs for the Site from 2017 through 1948 did not identify usage of the Site or vicinity that is considered evidence of environmental concern.

Fire Insurance Maps

Sanborn Fire Insurance Maps were developed from the late 1800s through the 1980s, to provide information on locations of structures and operations during the time of the specific survey. When available, these maps are reviewed for further documentation of the historical use of the Site and vicinity. Sanborn Fire Insurance Maps were not identified for the Site and vicinity.

City Directories

City directories are arranged by address and provide a listing of past usage of a Site and adjacent properties. Where available, city directories are reviewed to determine historical Site use and adjacent property use in a minimum of five-year intervals. City directories were not identified for the Site and vicinity.

Previous Environmental Reports

Kilbane Environmental was not provided any environmental reports previously prepared for the Site.

5.0 SITE RECONNAISSANCE

5.1 METHODOLOGY AND LIMITATING CONDITIONS

This assessment was performed using the standard practices for Phase I Environmental Site Assessments in conformance with the scope and limitations of ASTM Practice E 1527-13. The Site was walked in order to observe any abnormalities. Kilbane Environmental was not accompanied during the Site reconnaissance conducted on April 20, 2020. The weather at the time of the reconnaissance was approximately 57 degrees Fahrenheit and sunny. The observations noted below apply to the Site as it was observed during the reconnaissance. Photographs taken during the Site reconnaissance are included in Appendix C.

5.2 GENERAL SITE SETTING

The Site is irregular in shape and consists of fifteen parcels totaling 50.7301 acres of vacant, undeveloped agricultural and residential property. The Site is located in area of generally residential and agricultural properties with some commercial properties adjacent to the northwest corner of the Site.

5.3 SITE OBSERVATIONS

Exterior Observations

The Site consists of 50.7301 acres of vacant undeveloped agricultural property. The northern portion of the Site is grass covered with residential lots to the east. A storm sewer extends from Southgate Avenue to the beginning of an agricultural field in the central portion of the Site. A pit was observed along the storm sewer that contained a discharge point for a storm sewer coming from areas to the east. A powerline crossed the Site along the northern portion of the agricultural field. A wooded area along E. Hyde Road is present in the southern portion of the Site. This area included fencing debris and construction equipment attachments. A stream was observed originating from a storm pipe near the end of Southgate Avenue continuing west and then south, generally along the property boundary on the western portion of the Site. No evidence of hazardous waste producing or storage activities was observed on the Site at the time of the reconnaissance.

Interior Observations

No structures were present on the Site at the time of the reconnaissance.

Miscellaneous Debris

Very limited miscellaneous trash and debris (plastics, paper, concrete, fencing, etc.) were observed in the wooded areas and adjacent to the roads. A few tires were observed in the northwestern portion of the Site.

Utilities

The following utilities were identified by the Owner as being available to the Site:

Service	Provider
Water	Village of Yellow Springs
Sewer	Village of Yellow Springs
Electric	Village of Yellow Springs
Gas	Vectren

Storage Tanks

No physical evidence of USTs, such as vent pipes or fill ports, was observed on the Site at the time of the reconnaissance. No above ground storage tanks (ASTs) were observed on the Site or in the vicinity of the Site at the time of the reconnaissance.

PCBs

Polychlorinated Biphenyls (PCBs) have not been domestically produced since the mid-1970s. The Toxic Substance Control Act regulation 40 CFR 761, 49 Federal Register 44683, has restricted the use of PCBs in any equipment and oils unless specifically approved by the USEPA. Five pole-mounted transformers on three poles were observed in the northern portion of the Site. The transformers were observed to be in good condition with no visible signs of leakage. The transformers were not observed with a Non-PCB label, therefore if a release were to occur any release should be considered PCB containing. No other potential PCB-containing equipment was observed on the Site at the time of the reconnaissance.

Vapor Encroachment Screen

In accordance with ASTM Standard 2600-10 (Vapor Encroachment Screening), a Tier 1 Screening has been conducted as part of this Phase I ESA. It has been considered that a Vapor Encroachment Condition (VEC) can be ruled out at the Site based on the absence of known potential facilities within the specified critical distances.

6.0 INTERVIEWS

Interviews were conducted with various individuals knowledgeable of the Site. The interviews were conducted in order to determine an awareness of any recognized environmental concerns. Questionnaires, completed by the user, owner, manager or occupant of the Site and logs of telephone calls with Site contacts are included in Appendix D.

6.1 INTERVIEWS WITH OWNER, SITE MANAGER, AND OCCUPANTS

Owner

Mr. and Mrs. Ken and Betheen Struewing, Owners of the property, were interviewed as part of this assessment. Mr. and Mrs. Struewing indicated that the property located in Miami Township is wooded and tillable acres and that the property was leased for agricultural use and agricultural chemicals were likely used. They also indicated that an old inactive well is located on the property 30-50 feet north of the northeast corner of the 734 E. Hyde Road property and that it is the possible site of an old windmill. According information provided by the Struewings a well was located on the eastern portion of this property related to an investigation by YSI. The well was removed under approval from OEPA based on a review of sampling results. Mr. and Mrs. Struewing indicated that the property located in Yellow Springs is vacant land with no buildings present. They did not indicate any knowledge of environmental conditions associated with this portion of the Site.

6.2 INTERVIEWS WITH GOVERNMENT OFFICIALS

Copies of correspondence with the Miami Township Fire-Rescue and Greene County Combined Health District are included in Appendix C.

Fire Department

The Miami Township Fire-Rescue has been contacted as part of this assessment. As of the date of this report, the Miami Township Fire-Rescue has not yet responded to the request for information. If relevant Site information is provided by the Miami Township Fire-Rescue within 30-days of the date of this report, an addendum will be issued.

Health Department

The Greene County Combined Health District has been contacted as part of this assessment. As of the date of this report, the Greene County Combined Health District has not yet responded to the request for information. If relevant Site information is provided by the Greene County Combined Health District within 30-days of the date of this report, an addendum will be issued.

7.0 FINDINGS

During this assessment of the Site, the following conditions were observed or identified during the review of public records and interviews:

- The Site consists of fifteen parcels consisting of 50.7301 acres of vacant undeveloped agricultural and residential property.
- The Site has been undeveloped/agricultural property since at least 1948.
- A review of the USEPA listings identified one SEMS facility within a ½-mile search radius of the Site.
- A review of the USEPA listings identified one SEMS-ARCHIVE facility within a ½-mile search radius of the Site.
- A review of the USEPA listings identified three RCRA generators within ¼-mile search radius of the Site.
- A review of the USEPA listings identified one RCRA CORRACTS facility within a one-mile search radius of the Site.
- A review of the OEPA records identified two SHWS/DERR facilities within a one-mile search radius of the Site.
- A review of OSFMO records identified one UST facility within a ¼-mile search radius of the Site.
- A review of OSFMO records identified one LUST facility within a ½-mile search radius of the Site.
- A review of the USDOT database identified one Spill listing within the search radius of the Site.
- Other listings of the databases searched identified one “Other” listing within the search radius of the Site.
- Aerial photographs dated 2017, 2015, 2013, 2011, 2009, 2004, 2000, 1994, 1989, 1984, 1979, 1975, 1973, 1968, 1964, 1960 and 1948 were reviewed.

8.0 OPINION

Based on the findings of this assessment, our opinion of the potential impact is as follows:

- The potential for the facilities identified by the database to impact the Site is considered unlikely based on distance, status, location, local topography and/or other available information available for review.

- Review of the aerial photographs for the Site from 2017 through 1948 did not identify specific usage of the Site that is considered evidence of environmental concern. A couple of areas of potential fill was noted in aerial photographs from 1979 and 1968.

- Information provided indicates that some chemicals were detected in the groundwater on the Site. However, the concentrations reported did not exceed the USEPA maximum contaminate levels for drinking water. No evidence of recognized environmental conditions (RECs) were identified for the Site or immediate vicinity.

Our opinion is based on generally accepted practices designed to minimize environmental liability. In addition, our opinion is based on information received and observations made during the Site reconnaissance.

9.0 CONCLUSIONS

Available OEPA and USEPA records, geologic maps, and published reports have been reviewed to determine the environmental compatibility of the Site. On April 20, 2020, Kilbane Environmental personnel performed a Site reconnaissance to evaluate the potential for environmental concerns that may impact the Site.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of parcel number F16000100100005800 in Miami Township, Greene County, Ohio, and parcel numbers F19000100180001200, F19000100180001300, F19000100180002300, F19000100180002400, F19000100180002500, F19000100180002600, F19000100180002700, F19000100180002800, F19000100180000300, F19000100180003200, F19000100180003400, F19000100180003500 and F19000100060013300 in Yellow Springs, Greene County, Ohio, the Site. Any exceptions to, or deletions from, this practice are described in the sections titled “Limitations, Assumptions, Additions, and Exceptions of the Assessment” and “Methodology and Limiting Conditions” of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with parcel number F16000100100005800 in Miami Township, Greene County, Ohio, and parcel numbers F19000100180001200, F19000100180001300, F19000100180002300, F19000100180002400, F19000100180002500, F19000100180002600, F19000100180002700, F19000100180002800, F19000100180000300, F19000100180003200, F19000100180003400, F19000100180003500 and F19000100060013300 in Yellow Springs, Greene County, Ohio, the Site.

Within the scope of an investigation such as this assessment, the potential for unintentional omission of data may exist. Our opinion is based on generally accepted practices designed to minimize environmental liability.

10.0 DATA GAPS & DEVIATIONS

- Sanborn Fire Insurance Maps were not identified for the Site. This is not considered a significant data gap due to other historical resources available.

- City directories were not identified for the Site. This is not considered a significant data gap due to other historical resources available.

- The Miami Township Fire-Rescue has not yet responded to the request for information. This is not considered a significant data gap based on other historical information available.

- The Greene County Combined Health District has not yet responded to the request for information. This is not considered a significant data gap based on other historical information available.

11.0 BIBLIOGRAPHY

References

- Greene County Auditor's Office.
- Greene County CAGIS.
- Google Earth Website, Aerial Photograph 2018.
- Envirosite Corporation Aerial Photographs 217, 2015, 2013, 2011, 2009, 2004, 2000, 1994, 1989, 1984, 1979, 1975, 1973, 1968, 1964, 1960 and 1948.
- USEPA, SEMS/CERCLIS Database, Updated Quarterly.
- USEPA, NPL Database, Updated Quarterly.
- USEPA, RCRIS Database, Updated Quarterly.
- USEPA, ERNS Database, Updated Annually.
- USEPA, Federal IC/EC Registry, Updates vary.
- OEPA, SHWS/DERR Database.
- OEPA, SWL, Updated Annually.
- OSFMO, UST Section, UST Files Updated Quarterly.
- OSFMO, LUST Section, LUST Files Updated Quarterly.
- USEPA Brownfield Management System, Updated Semi-Annually.
- USDOT Spills, Updated Quarterly.
- Ohio Public Library Information Network (OPLIN) Website.
- U.S. Department of Agriculture, Natural Resource Conservation Service, WebSoil Survey.
- USGS, Yellow Springs, Topographic Map 1965, revised/updated 1981.
- Ohio Department of Natural Resources, Ground Water Resources Greene County, 1986.
- OEPA files for YSI through the OEPA website.

Interviews

- Mr. Greg Smith, Representative of User
- Mr. and Mrs. Ken and Betheen Struewing, Owners
- Miami Township Fire-Rescue – No response
- Greene County Combined Health District – No response

12.0 ENVIRONMENTAL PROFESSIONAL(S) SIGNATURE

Kilbane Environmental prepared this Phase I Environmental Site Assessment report in accordance with the American Society for Testing Materials (ASTM) Standard E-1527-13 requirements for Phase I Environmental Site Assessments. 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 (Appendix E). We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. If you have any questions or comments regarding our findings, please do not hesitate to contact us.

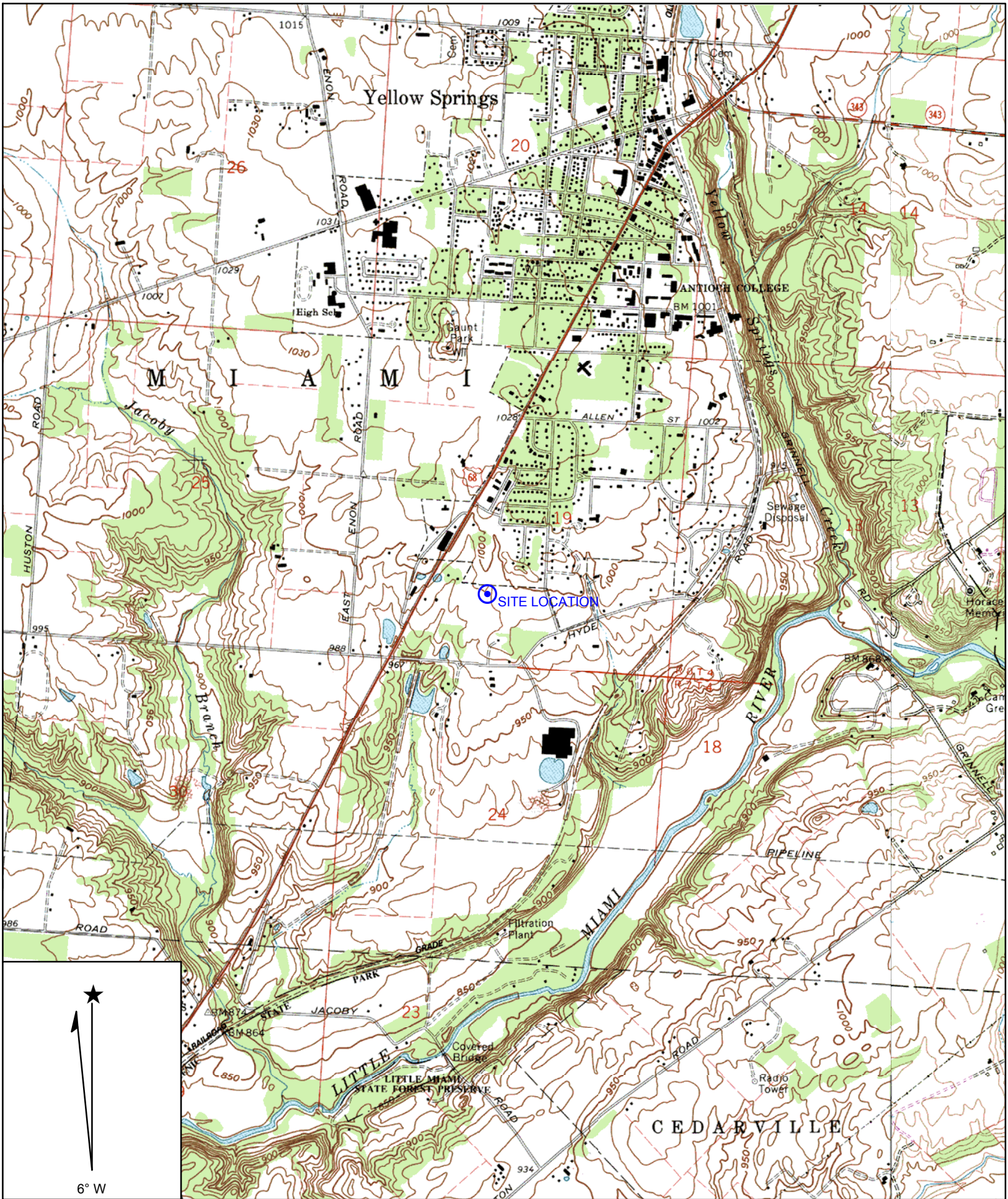
Sincerely,
KILBANE ENVIRONMENTAL

Environmental Professional: Thomas J. Kilbane, CPG
President

TJK
c:/doc/reports/ 23151(1).doc

FIGURES

FIGURES



Name: YELLOW SPRINGS
Date: 5/1/2020
Scale: 1 inch equals 2000 feet

Location: 039° 47' 06.3" N 083° 53' 53.3" W
Caption: FIGURE 1 SITE LOCATION MAP
Project No. 23151

LEGEND	N / W / E / S
Site Boundary	
Not to Scale Locations are approximate	

Source: Google Earth

KILBANE ENVIRONMENTAL
6236A Centre Park Drive
Cincinnati, OH 45069

FIGURE 2
SITE VICINITY MAP
(2018)

Struewing Property
Miami Township
Yellow Springs, Ohio

KEI Project No: 23151

Prepared By	No.	Date
tjk	00	May 2020

APPENDIX A
Database Report

Government Records Report | 2020

Order Number: 40586

Report Generated: 04/07/2020

Project Name: Struewing Property

Project Number: 23151(1)

Struewing Property
Miami Township
Yellow Springs, OH 45387

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Table of Contents 2020

Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-13 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:

ADDRESS:

Struewing Property
Miami Township
Yellow Springs, OH 45387

COORDINATES:

Latitude (North):	39.785679 - 39°47'8.4"
Longitude (West):	-83.898493 - -83°53'54.6"
Universal Transverse Mercator:	Zone 17N
UTM X (Meters):	251794.32
UTM Y (Meters):	4407989.50

ELEVATION:

Elevation:	988.491 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 39083-G8 Yellow Springs, OH
Most Recent Revision: 2016

MAP ID	SITE NAME	ADDRESS	DATABASE(S)	RELATIVE ELEVATION	DIRECTION / DISTANCE
A1	Morris Bean & Co Inc, Yellow Springs	777 E Hyde Rd	DERR - OH	Lower	SSE / 0.002 mi.
A2	BEAN MORRIS AND CO	777 E HYDE RD	RCRA_SQG	Lower	SSE / 0.002 mi.
A3	N/R	777 E HYDE RD	SPILLS - OH	Lower	SSE / 0.009 mi.
B4	YSI Inc, Yellow Springs	1700 & 1725 Brannum Ln	DERR - OH	Higher	NNW / 0.054 mi.
B5	YELLOW SPRINGS INSTRUMENT CO INC	1725 BRANNUM LANE	Corrective Actions_2020, ECHO, FRS	Higher	NNW / 0.054 mi.
B6	YELLOW SPRINGS INSTRUMENT CO INC	1725 BRANNUM LANE	CORRACTS, RCRA_SQG	Higher	NNW / 0.054 mi.
7	YELLOW SPRINGS INSTRUMENTS (YSI)...	US 68 AND BRANNUM ROAD	CERCLIS-HIST, FRS, SEMS_8R_ACTIVE SITES	Lower	WSW / 0.091 mi.
C8	VILLAGE AUTO	1455 XENIA AVE	ECHO, FRS, RCRA_NONGEN	Higher	N / 0.155 mi.
C9	JAMES SHATTUCK	1435 XENIA	ARCHIVE UST - OH, LUST - OH	Higher	N / 0.178 mi.
10	00435	394638, 835347	SLUDGE - OH	Lower	SSE / 0.356 mi.

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was not listed in any of the databases searched by Envirosite Corporation.

SEARCH RESULTS:

FEDERAL CERCLIS LIST

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013. **1 SITE FOUND WITHIN .5 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
7	*YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS*	*US 68 AND BRANNUM ROAD*	*WSW / 0.091 mi.*	*36*
	- ID: OHN000508224	Status: Other Cleanup Activity: State-Lead Cleanup	Date: 09/30/2002	

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided. **1 SITE FOUND WITHIN .5 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
7	*YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS*	*US 68 AND BRANNUM ROAD*	*WSW / 0.091 mi.*	*36*
	- ID: 0508224	Status: Other Cleanup Activity: State-Lead Cleanup	Date: N/A	

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases **1 SITE FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B6	*YELLOW SPRINGS INSTRUMENT CO INC*	*1725 BRANNUM LANE*	*NNW / 0.054 mi.*	*27*
	- ID: OHD004246716	Status: N/A	Date: N/A	
	- ID: YSI, INC.	Status: CA PERFORMANCE STANDARDS ATTAINED - NO CONTROLS NECESSARY	Date: 07/29/2019	
	- ID: YSI, INC.	Status: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED	Date: 07/29/2019	
	- ID: YSI, INC.	Status: FINAL RFI REPORT DUE/RECEIVED	Date: 08/07/2017	
	- ID: YSI, INC.	Status: INVESTIGATION COMPLETE	Date: 08/07/2017	
	There are an additional 7 status records, see site details.			

FEDERAL RCRA GENERATORS LIST

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
C8	*VILLAGE AUTO*	*1455 XENIA AVE*	*N / 0.155 mi.*	*39*
	- ID: OHR000184580	Status: No Violation/Inspections	Date: N/A	
	- ID: OHR000184580	Status: Used Oil - Generators	Date: Violation 06/20/2014 - Achieved Compliance 03/13/2015	

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators **2 SITES FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B6	*YELLOW SPRINGS INSTRUMENT CO INC*	*1725 BRANNUM LANE*	*NNW / 0.054 mi.*	*27*
	- ID: OHD004246716	Status: No Violation/Inspections	Date: N/A	
	- ID: OHD004246716	Status: Generators - Manifest	Date: Violation 07/02/2002 - Achieved Compliance 07/10/2003	
	- ID: OHD004246716	Status: Generators - Pre-transport	Date: Violation 06/14/1999 - Achieved Compliance 07/19/1999	
	- ID: OHD004246716	Status: Generators - Pre-transport	Date: Violation 07/02/2002 - Achieved Compliance 09/24/2002	
	- ID: OHD004246716	Status: Universal Waste - General	Date: Violation 07/02/2002 - Achieved Compliance 09/24/2002	
	There are an additional 3 status records, see site details.			

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
A2	BEAN MORRIS AND CO	777 E HYDE RD	SSE / 0.002 mi.	*18*
	- ID: OHD004241071	Status: Generators - General	Date: Violation 03/13/1990 - Achieved Compliance 07/09/1991	
	- ID: OHD004241071	Status: No Violation/Inspections	Date: N/A	

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

ARCHIVE UST - OH: Underground Storage Tanks that have been removed **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
C9	*JAMES SHATTUCK*	*1435 XENIA*	*N / 0.178 mi.*	*43*
	- ID: Facility Number 29000874	Status: N/A	Date: N/A	
	- ID: Tank Number T00001	Status: REM - Removed	Date: 10/31/2002	
	- ID: Tank Number T00002	Status: REM - Removed	Date: 10/31/2002	
	- ID: Tank Number T00003	Status: REM - Removed	Date: 10/31/2002	
	- ID: Tank Number T00004	Status: REM - Removed	Date: 10/31/2002	
	There is an additional 1 status record, see site details.			

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

LUST - OH: Listing of leaking tanks **1 SITE FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
C9	*JAMES SHATTUCK*	*1435 XENIA*	*N / 0.178 mi.*	*43*
	- ID: 29000874-N00001	Status: Active - CLO: Closure	Date: 09/09/2019	

RECORDS OF EMERGENCY RELEASE REPORTS

SPILLS - OH: Incidents reported to the Emergency Response Unit **1 SITE FOUND WITHIN .125 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
A3	N/R	777 E HYDE RD	SSE / 0.009 mi.	*21*
	- ID: 1806EPA0001140	Status: N/A	Date: Date Reported 06/19/2018	
	- ID: 1811EPA0002151	Status: N/A	Date: Date Reported 11/30/2018	

OTHER ASCERTAINABLE RECORDS

CORRECTIVE ACTIONS_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination. **1 SITE FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B5	*YELLOW SPRINGS INSTRUMENT CO INC*	*1725 BRANNUM LANE*	*NNW / 0.054 mi.*	*24*

DERR - OH: Sites listed in the DERR database **2 SITES FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B4	YSI Inc, Yellow Springs	1700 & 1725 Brannum Ln	NNW / 0.054 mi.	*24*

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
A1	Morris Bean & Co Inc, Yellow Springs	777 E Hyde Rd	SSE / 0.002 mi.	*18*

SLUDGE - OH: Database of sludge pits, ponds and lagoon sites. The SIABASE data was published by US EPA in 1980. **1 SITE FOUND WITHIN .5 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
10	00435	394638, 835347	SSE / 0.356 mi.	*48*

No unmappable sites reported.

DATABASE(S) WITH NO MAPPED SITES:

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

FEDERAL CERCLIS LIST

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP	EPA Landfill Methane Outreach Project Database

FEDERAL ERNS LIST

ERNS	Emergency Response Notification System

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_ Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_ Large Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

FEDERAL NPL SITE LIST

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

RCRA IC_EC	RCRA sites with Institutional and Engineering Controls
FED E C	Engineering Controls
FED I C	Institutional Controls

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST	FEMA Underground Storage Tanks
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS *(cont.)*

INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
UST - OH	Underground Storage Tanks

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
LAST - OH	Leaking Aboveground Storage Tanks
UNREG LTANKS - OH	Oil and Other releases

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS	Tribal Brownfields
BROWNFIELDS - OH	Brownfields

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

E C - OH	Engineering Controls
I C - OH	Institutional Controls
IC LUC - OH	Land Use and Institutional Control

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST LF - OH	Historical Landfills
HIST LF-LD - OH	Historical Land Disposal Sites
SWF/LF - OH	Solid Waste Facilities and Landfills

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - OH	Voluntary Cleanup Program

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
SWRCY - OH	Solid Waste Recycling

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)	Hazardous Materials Information Reporting Systems

LOCAL LAND RECORDS

LIENS 2	CERCLA Lien Information

OTHER ASCERTAINABLE RECORDS

AFS	Air Facility Systems

OTHER ASCERTAINABLE RECORDS *(cont.)*

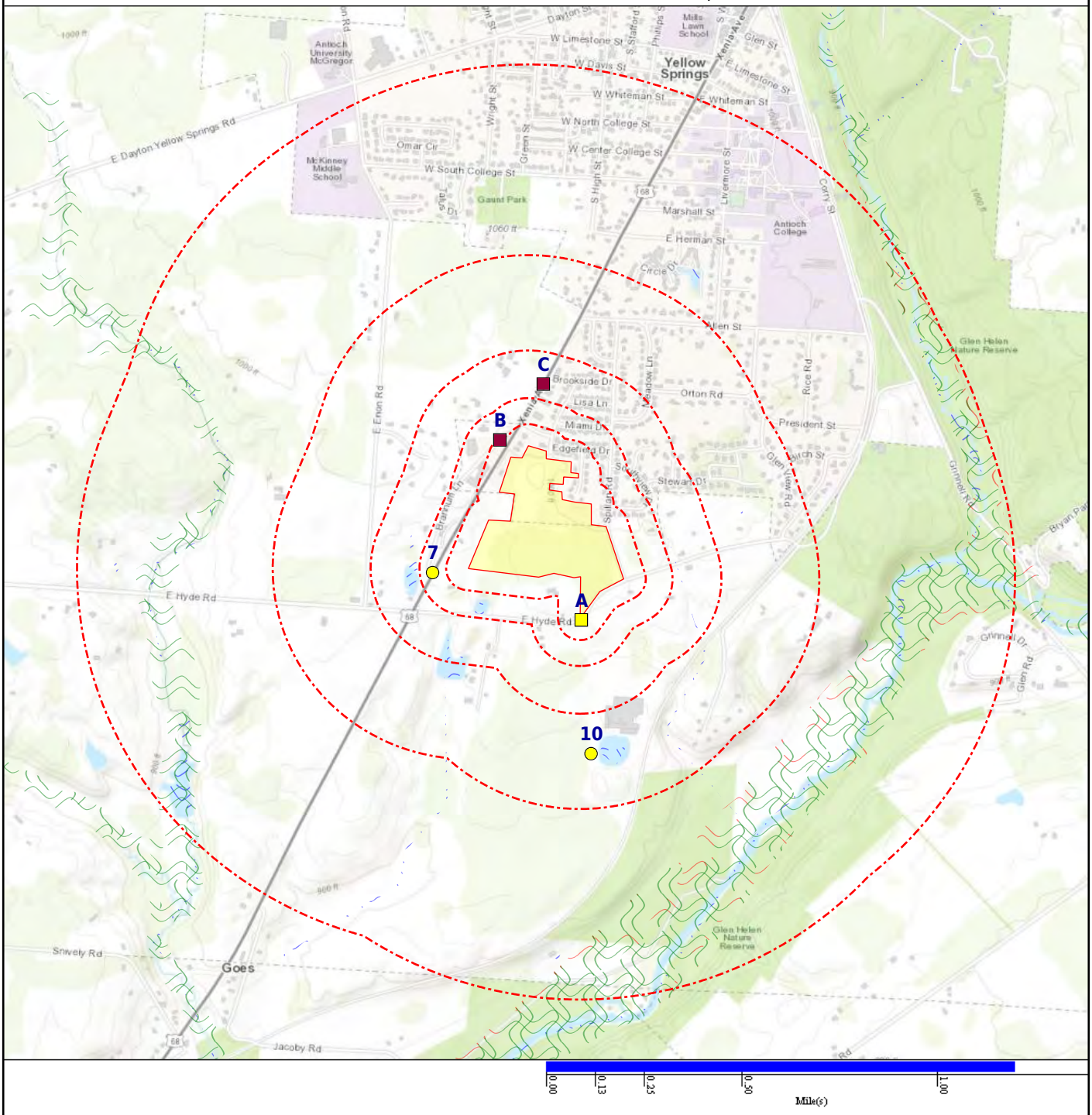
ALT FUELING	Alternative Fueling Stations
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
CONSENT (DECREES)	Superfund Consent Decree
DEBRIS R5 LF	Disaster Debris Landfill Data
DEBRIS R5 SWRCY	Disaster Debris Recovery Data
DOD	Department of Defense
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FEDLAND	Federal Lands
FRS	Facility Index Systems
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST PCS ENF	Historical Enforced Permit Compliance Facilities
HIST PCS FACILITY	Historical Permit Compliance Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INACTIVE PCS	Inactive Permit Compliance Facilities
INDIAN RESERVATION	Indian Reservations
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PCS ENF	Enforced Permit Compliance Facilities
PCS FACILITY	Permit Compliance Facilities
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites

OTHER ASCERTAINABLE RECORDS *(cont.)*

VAPOR	EPA Vapor Intrusion
AIRS - OH	Air Permits
COAL ASH - OH	Coal Ash Disposal Facilities
COAL ASH 2 - OH	Coal Ash Disposal Facilities
CRO - OH	Cessation of Regulated Operations
DAYCARE - OH	Daycare listing
DRYCLEANERS - OH	Drycleaners
HIST NPDES - OH	Historical National Pollutant Discharge Elimination System
HIST USD - OH	Urban Setting Designation Sites: Withdrawn
NPDES - OH	State Wastewater and NPDES Permits
TOWN GAS - OH	Town Gas
UIC - OH	Underground Injection Controls
USD - OH	Urban Setting Designation Sites

SUBJECT NAME: Struewing Property
ADDRESS: Miami Township, Yellow Springs, OH, 45387
LAT/LONG: 39.785679 / -83.898493

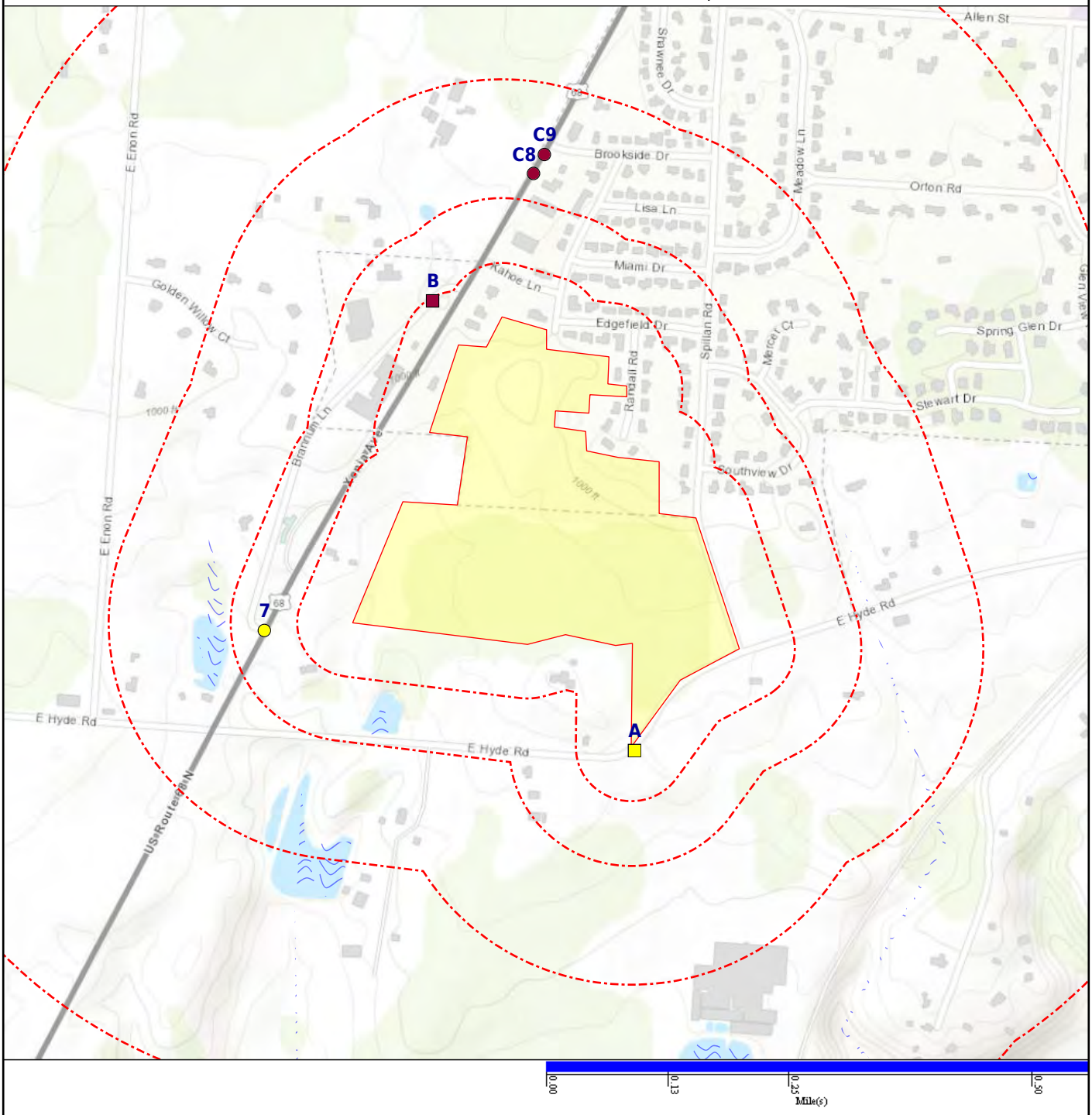
PREPARED FOR: Kilbane Environmental
ORDER #: 40586
REPORT DATE: April 07, 2020



- Subject Property
- Department of Defense (No Data)
- FEMA FloodZone 100
- National Priority List (No Data)
- Equal/Higher Elevation
- DFIRM Floodzone 100
- FEMA FloodZone 500
- NWI
- Lower Elevation
- DFIRM Floodzone 500
- Historical DOD (No Data)
- CDC HAZDAT (No Data)
- Federal Lands (No Data)
- Indian Reservation (No Data)

SUBJECT NAME: Struewing Property
ADDRESS: Miami Township, Yellow Springs, OH, 45387
LAT/LONG: 39.785679 / -83.898493

PREPARED FOR: Kilbane Environmental
ORDER #: 40586
REPORT DATE: April 07, 2020



DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST								
ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0
FEDERAL CERCLIS LIST								
CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	1	0	0	--	--	1
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	1	0	0	--	--	1
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0
FEDERAL RCRA CORRACTS FACILITIES LIST								
CORRACTS		1.000	1	0	0	0	--	1
HIST CORRACTS 2		1.000	0	0	0	0	--	0
FEDERAL DELISTED NPL SITE LIST								
DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0
FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
EPA LF MOP		0.500	0	0	0	--	--	0
FEDERAL ERNS LIST								
ERNS		SP	0	--	--	--	--	0
FEDERAL RCRA GENERATORS LIST								
HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	1	--	--	--	1
RCRA_SQG		0.250	2	0	--	--	--	2
RCRA_VSQG		0.250	0	0	--	--	--	0
FEDERAL NPL SITE LIST								
NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL NPL SITE LIST *(cont.)*								
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0
FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
RCRA IC_EC		0.250	0	0	--	--	--	0
FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
STATE AND TRIBAL REGISTERED STORAGE TANK LISTS								
FEMA UST		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
ARCHIVE UST - OH		0.250	0	1	--	--	--	1
UST - OH		0.250	0	0	--	--	--	0
STATE AND TRIBAL LEAKING STORAGE TANK LISTS								
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
LAST - OH		0.500	0	0	0	--	--	0
LUST - OH		0.500	0	1	0	--	--	1

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
STATE AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
UNREG LTANKS - OH		0.500	0	0	0	--	--	0
STATE AND TRIBAL BROWNFIELD SITES								
TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
BROWNFIELDS - OH		0.500	0	0	0	--	--	0
STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
E C - OH		0.500	0	0	0	--	--	0
I C - OH		0.500	0	0	0	--	--	0
IC LUC - OH		0.500	0	0	0	--	--	0
STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
HIST LF - OH		0.500	0	0	0	--	--	0
HIST LF-LD - OH		0.500	0	0	0	--	--	0
SWF/LF - OH		0.500	0	0	0	--	--	0
STATE AND TRIBAL VOLUNTARY CLEANUP SITES								
VCP - OH		0.500	0	0	0	--	--	0
LOCAL BROWNFIELD LISTS								
BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0
LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES								
FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES								
HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
SWRCY - OH		0.500	0	0	0	--	--	0
RECORDS OF EMERGENCY RELEASE REPORTS								
HMIRS (DOT)		SP	0	--	--	--	--	0
SPILLS - OH		0.125	1	--	--	--	--	1
LOCAL LAND RECORDS								
LIENS 2		SP	0	--	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS								
AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
CONSENT (DECREES)		1.000	0	0	0	0	--	0
DEBRIS R5 LF		0.500	0	0	0	--	--	0
DEBRIS R5 SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	0	--	0
FRS		SP	0	--	--	--	--	0
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST PCS ENF		SP	0	--	--	--	--	0
HIST PCS FACILITY		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0
INACTIVE PCS		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MINES		0.250	0	0	--	--	--	0
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0
PCS ENF		SP	0	--	--	--	--	0
PCS FACILITY		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
CORRECTIVE ACTIONS_2020		0.500	1	0	0	--	--	1
AIRS - OH		SP	0	--	--	--	--	0
COAL ASH - OH		0.500	0	0	0	--	--	0
COAL ASH 2 - OH		0.500	0	0	0	--	--	0
CRO - OH		0.250	0	0	--	--	--	0
DAYCARE - OH		SP	0	--	--	--	--	0
DERR - OH		0.500	2	0	0	--	--	2
DRYCLEANERS - OH		0.250	0	0	--	--	--	0
HIST NPDES - OH		SP	0	--	--	--	--	0
HIST USD - OH		SP	0	--	--	--	--	0
NPDES - OH		SP	0	--	--	--	--	0
SLUDGE - OH		0.500	0	0	1	--	--	1

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
TOWN GAS - OH		1.000	0	0	0	0	--	0
UIC - OH		SP	0	--	--	--	--	0
USD - OH		SP	0	--	--	--	--	0

Map Id: A1
Direction: SSE
Distance: 0.002 mi.
Actual: 10.742 ft.
Elevation: 0.186 mi. / 980.177 ft.
Relative: Lower

Site Name : Morris Bean & Co Inc, Yellow Springs
777 E Hyde Rd
Yellow Springs, OH 45387

Database(s) : [DERR - OH]

Envirosite ID: 2764813
EPA ID: N/R

DERR - OH

Facility Name :	Morris Bean & Co Inc, Yellow Springs
Facility Address :	777 E Hyde Rd, Yellow Springs, 45387
County :	Greene

Site Details

DERR ID :	529001292
Alias :	N/R
Activity :	Remedial Response
CERCLIS ID :	N/R
District :	Southwest District Office
Latitude :	39.779004
Longitude :	-83.893737
Last Date in Agency List :	11/14/2019

Map Id: A2
Direction: SSE
Distance: 0.002 mi.
Actual: 10.742 ft.
Elevation: 0.186 mi. / 980.177 ft.
Relative: Lower

Site Name : BEAN MORRIS AND CO
777 E HYDE RD
YELLOW SPRINGS, OH 45387

Database(s) : [RCRA_SQG]

Envirosite ID: 415012655
EPA ID: OHD004241071

RCRA_SQG

Facility Name :	BEAN MORRIS AND CO
Facility Address :	777 E HYDE RD, YELLOW SPRINGS, OH 45387
County :	GREENE
Date Form Received by Agency :	02/15/1991
EPA ID :	OHD004241071
Mailing Address :	777 E HYDE RD, YELLOW SPRINGS, OH 45387
Contact :	GUNTIS BLACHINS
Contact Address :	777 E HYDE RD, YELLOW SPRINGS, OH 45387
Contact Country :	US
Contact Telephone :	513-767-7301
Contact Email :	N/R
EPA Region :	05
Land Type :	Private
Source Type :	Notification
Classification :	Small Quantity Generator
Description :	Handlers that generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.
Last Date in Agency List :	12/06/2019

Map Id: A2
Direction: SSE
Distance: 0.002 mi.
Actual: 10.742 ft.
Elevation: 0.186 mi. / 980.177 ft.
Relative: Lower

Site Name : BEAN MORRIS AND CO
777 E HYDE RD
YELLOW SPRINGS, OH 45387

Database(s) : [RCRA_SQG] ***(cont.)***

Envirosite ID: 415012655
EPA ID: OHD004241071

RCRA_SQG ***(cont.)***

Owner/Operator Summary

Owner/Operator Name :	MORRIS BEAN AND COMPANY
Owner/Operator Address :	777 E HYDE RD, YELLOW SPRINGS, OH 45387
Owner/Operator Country :	N/R
Owner/Operator Telephone :	513-767-7301
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Historical Generators

Date Form Received by Agency :	01/01/1979
Facility Name :	BEAN MORRIS AND CO
Classification :	Large Quantity Generator

Hazardous Waste Summary

Waste Code / Name : D001 - IGNITABLE WASTE
D002 - CORROSIVE WASTE

Waste Code / Name :

F001 - THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map Id: A2
Direction: SSE
Distance: 0.002 mi.
Actual: 10.742 ft.
Elevation: 0.186 mi. / 980.177 ft.
Relative: Lower

Site Name : BEAN MORRIS AND CO
777 E HYDE RD
YELLOW SPRINGS, OH 45387

Database(s) : [RCRA_SQG] ***(cont.)***

Envirosite ID: 415012655
EPA ID: OHD004241071

RCRA_SQG ***(cont.)***

Notices of Violations Summary

Date of Violation :	03/13/1990
Date Achieved Compliance :	07/09/1991
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	04/30/1990
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	03/13/1990
Date Achieved Compliance :	07/09/1991
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/30/1990
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Evaluation Action Summary

Evaluation Date :	07/03/1996
Evaluation :	FOCUSED COMPLIANCE INSPECTION
Area of Violation :	N/R
Date Achieved Compliance :	N/R
Evaluation Lead Agency :	State

Evaluation Date :	03/13/1990
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - General
Date Achieved Compliance :	07/09/1991
Evaluation Lead Agency :	State

Map Id: A3
Direction: SSE
Distance: 0.009 mi.
Actual: 45.473 ft.
Elevation: 0.186 mi. / 979.875 ft.
Relative: Lower

Site Name : N/R
777 E HYDE RD
MIAMI TWP, OH

Database(s) : [SPILLS - OH]

Envirosite ID: 406635097
EPA ID: N/R

SPILLS - OH

Facility Address :	777 E Hyde Rd, MIAMI TWP
County :	Greene

Site Details

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151
Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	AIR ODOR ALL OTHER
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	OTHER, DESCRIPTION REQUIRED
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151
Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	AIR PARTICULATES / SMOKE / DUST
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	WASTE CHEMICALS AFTER USE CYCLE, ABANDONED MATERIALS
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151

Map Id: A3
Direction: SSE
Distance: 0.009 mi.
Actual: 45.473 ft.
Elevation: 0.186 mi. / 979.875 ft.
Relative: Lower

Site Name : N/R
777 E HYDE RD
MIAMI TWP, OH

Database(s) : [SPILLS - OH] ***(cont.)***

Envirosite ID: 406635097
EPA ID: N/R

SPILLS - OH ***(cont.)***

Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	AMMONIA (NH3)
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	WASTE CHEMICALS AFTER USE CYCLE, ABANDONED MATERIALS
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151
Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	SEWAGE HUMAN
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	SEWAGE
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151
Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R

Map Id: A3
Direction: SSE
Distance: 0.009 mi.
Actual: 45.473 ft.
Elevation: 0.186 mi. / 979.875 ft.
Relative: Lower

Site Name : N/R
777 E HYDE RD
MIAMI TWP, OH

Database(s) : [SPILLS - OH] ***(cont.)***

Envirosite ID: 406635097
EPA ID: N/R

SPILLS - OH ***(cont.)***

Product Spilled :	SOLID WASTE NOS (NOT SPECIFIED)
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	OTHER, DESCRIPTION REQUIRED
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	11/30/2018
Incident Date :	N/R
Spill Number :	1811EPA0002151
Spiller Report :	N/R
Month :	November
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	WASTE WATER
Actual Amount :	N/R
Unit of Measure :	N/R
Incident Type :	CITIZEN
Spill Type :	WASTE WATER WITHOUT CHEMICAL CONTAMINATION OR SEWAGE
Spill Size :	UNKNOWN AMOUNT
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585
Last Date in Agency List :	01/02/2020

Date Reported :	06/19/2018
Incident Date :	N/R
Spill Number :	1806EPA0001140
Spiller Report :	N/R
Month :	June
Year :	2018
Responsible Party :	N/R
Phone Follow-up :	N/R
Data Base Change Stamp :	N/R
Reported by :	N/R
Reporter Affiliation :	N/R
Employee Number :	N/R
Product Spilled :	MATERIAL UNKNOWN
Actual Amount :	N/R
Unit of Measure :	UNK
Incident Type :	CITIZEN
Spill Type :	WASTE CHEMICALS AFTER USE CYCLE, ABANDONED MATERIALS
Spill Size :	SMALL: 500 GAL/4000 LBS
District :	SWDO
Latitude :	39.78225768
Longitude :	-83.89683585

Map Id: A3
Direction: SSE
Distance: 0.009 mi.
Actual: 45.473 ft.
Elevation: 0.186 mi. / 979.875 ft.
Relative: Lower

Site Name : N/R
777 E HYDE RD
MIAMI TWP, OH

Database(s) : [SPILLS - OH] ***(cont.)***

Envirosite ID: 406635097
EPA ID: N/R

SPILLS - OH ***(cont.)***

Last Date in Agency List : 01/02/2020

Map Id: B4
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YSI Inc, Yellow Springs
1700 & 1725 Brannum Ln
Yellow Springs, OH 45387

Database(s) : [DERR - OH]

Envirosite ID: 2764815
EPA ID: OHN000508224

DERR - OH

Facility Name : YSI Inc, Yellow Springs
Facility Address : 1700 & 1725 Brannum Ln, Yellow Springs, 45387
County : Greene

Site Details
DERR ID : 529001974
Alias : N/R
Activity : Remedial Response
CERCLIS ID : OHN000508224
District : Southwest District Office
Latitude : 39.788108
Longitude : -83.901748
Last Date in Agency List : 11/14/2019

DERR ID : 529001974
Alias : Yellow Springs Instruments
Activity : Remedial Response
CERCLIS ID : OHN000508224
District : Southwest District Office
Latitude : 39.788108
Longitude : -83.901748
Last Date in Agency List : 11/14/2019

Map Id: B5
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRECTIVE ACTIONS_2020, ECHO, FRS]

Envirosite ID: 20041828
EPA ID: OHD004246716

Corrective Actions_2020

Facility Name : YELLOW SPRINGS INSTRUMENT CO INC

Map Id: B5
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRECTIVE ACTIONS_2020, ECHO, FRS] ***(cont.)***

Envirosite ID: 20041828
EPA ID: OHD004246716

Corrective Actions_2020 ***(cont.)***

Facility Address :	1725 BRANNUM LANE, YELLOW SPRINGS, OH 45387
EPA ID :	OHD004246716
Region :	5
Remedy Construction :	N/R
Federal Facility :	N/R
CA725 :	YE
CA750 :	YE
CA550 :	N/R
CA900 :	N/R

ECHO

Facility Name :	YELLOW SPRINGS INSTRUMENT CO INC
Facility Address :	1725 BRANNUM LANE, YELLOW SPRINGS, OH 45387
County :	GREENE

Site Details

Last Inspection Date :	09/24/2002
Registry ID :	110004593869
FIPS Code :	39057
EPA Region :	05
Inspection Count :	0
Last Inspection Days :	6277
Informal Count :	0
Last Informal Action Date :	09/24/2002
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	N/R
Derived HUC :	05090202
Derived WBD :	050902020104
Derived STCTY FIPS :	39057
Derived Zip :	45387
Derived CD113 :	10
Derived CB2010 :	390572550001012
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R

Map Id: B5
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRECTIVE ACTIONS_2020, ECHO, FRS] ***(cont.)***

Envirosite ID: 20041828
EPA ID: OHD004246716

ECHO ***(cont.)***

CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC Codes :	N/R
Facility NAICS Codes :	N/R
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	09/24/2002
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	09/24/2002
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y
NAA Flag :	Y
Latitude :	39.789246
Longitude :	-83.900702
Last Date in Agency List :	12/02/2019

FRS

Facility Name :	YELLOW SPRINGS INSTRUMENT CO INC
Facility Address :	1725 BRANNUM LANE, YELLOW SPRINGS, OH 45387-1107
County :	GREENE
Registry ID :	110004593869
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	12/12/2019

Map Id: B5
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRECTIVE ACTIONS_2020, ECHO, FRS] ***(cont.)***

Envirosite ID: 20041828
EPA ID: OHD004246716

FRS ***(cont.)***

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

Source Description :

The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.

Source Description :

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

FRS Environmental Interest
Source and System ID : API - TSCA10021136
OH-CORE - 239860
RCRAINFO - OHD004246716

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG]

Envirosite ID: 414228958
EPA ID: OHD004246716

CORRACTS

Facility Name : YELLOW SPRINGS INSTRUMENT CO INC
Facility Address : 1725 BRANNUM LANE, YELLOW SPRINGS, OH 45387
County : GREENE

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

CORRACTS ***(cont.)***

EPA ID :	OHD004246716
EPA Region :	05
Last Date in Agency List :	12/06/2019
HNAICS Code :	N/R
HNAICS Code Description :	N/R
Area Name :	YSI, INC.
Actual Date :	07/29/2019
Action :	CA PERFORMANCE STANDARDS ATTAINED - NO CONTROLS NECESSARY
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	07/29/2019
Action :	REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	08/07/2017
Action :	FINAL RFI REPORT DUE/RECEIVED
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	08/07/2017
Action :	INVESTIGATION COMPLETE
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	06/20/2016
Action :	INVESTIGATION REPORT RECEIVED
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	09/14/2011
Action :	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	06/28/2010
Action :	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Original Schedule Date :	N/R

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

CORRACTS ***(cont.)***

Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	11/02/2005
Action :	INVESTIGATION REPORT RECEIVED
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	09/21/2004
Action :	INVESTIGATION COMPLETE
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	08/19/2004
Action :	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Original Schedule Date :	N/R
Schedule End Date :	N/R
Area Name :	YSI, INC.
Actual Date :	03/18/2004
Action :	INVESTIGATION WORKPLAN RECEIVED
Original Schedule Date :	N/R
Schedule End Date :	N/R

RCRA_SQG

Facility Name :	YELLOW SPRINGS INSTRUMENT CO INC
Facility Address :	1725 BRANNUM LANE, YELLOW SPRINGS, OH 45387
County :	GREENE
Date Form Received by Agency :	07/02/2002
EPA ID :	OHD004246716
Mailing Address :	PO BOX 279, YELLOW SPRINGS, OH 45387
Contact :	RICK OMLOR
Contact Address :	PO BOX 279, YELLOW SPRINGS, OH 45387
Contact Country :	US
Contact Telephone :	937-767-7241
Contact Email :	N/R
EPA Region :	05
Land Type :	Not Reported
Source Type :	Implementer
Classification :	Small Quantity Generator
Description :	Handlers that generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.
Last Date in Agency List :	12/06/2019

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Owner/Operator Summary

Owner/Operator Name :	MALTE VON MATTHIESSEN
Owner/Operator Address :	ADDRESS NOT REPORTED, CITY NOT REPORTED, AK 99998
Owner/Operator Country :	US
Owner/Operator Telephone :	N/R
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Owner/Operator Name :	NAME NOT REPORTED
Owner/Operator Address :	ADDRESS NOT REPORTED, CITY NOT REPORTED, AK 99998
Owner/Operator Country :	N/R
Owner/Operator Telephone :	312-555-1212
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Operator
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Historical Generators

Date Form Received by Agency :	04/13/1984
Facility Name :	YELLOW SPRINGS INSTRUMENT CO INC
Classification :	Small Quantity Generator

Hazardous Waste Summary

Waste Code / Name :	D001 - IGNITABLE WASTE
	D002 - CORROSIVE WASTE
	D006 - CADMIUM
	D007 - CHROMIUM

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Waste Code / Name :
D008 - LEAD
D009 - MERCURY
D037 - PENTACHLOROPHENOL
F003 - 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.
F005 - 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.
U098 - 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
U201 - 1,3-BENZENEDIOL (OR) RESORCINOL

Corrective Action Summary

Date / Status / CA Event Description:
07/29/2019 (Active) CA550NR - REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED
07/29/2019 (Active) CA900NC - CA PERFORMANCE STANDARDS ATTAINED - NO CONTROLS NECESSARY
08/07/2017 (Active) CA197 - FINAL RFI REPORT DUE/RECEIVED
08/07/2017 (Active) CA200 - INVESTIGATION COMPLETE
06/20/2016 (Active) CA190 - INVESTIGATION REPORT RECEIVED
09/14/2011 (Active) CA750YE - RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
06/28/2010 (Active) CA725YE - HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
11/02/2005 (Active) CA190 - INVESTIGATION REPORT RECEIVED
09/21/2004 (Active) CA200 - INVESTIGATION COMPLETE
08/19/2004 (Active) CA140 - INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
03/18/2004 (Active) CA110 - INVESTIGATION WORKPLAN RECEIVED

Notices of Violations Summary

Date of Violation :	09/24/2002
Date Achieved Compliance :	05/05/2003
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	09/24/2002
Date Achieved Compliance :	05/05/2003
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	09/24/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	09/24/2002
Date Achieved Compliance :	07/10/2003
Regulation Violated :	Y
Area of Violation :	Generators - Manifest
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	09/24/2002
Date Achieved Compliance :	07/10/2003
Regulation Violated :	Y
Area of Violation :	Generators - Manifest
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	09/24/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	05/05/2003
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	05/05/2003
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	09/24/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	07/02/2002
Regulation Violated :	Y
Area of Violation :	Generators - Pre-transport
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	07/10/2003
Regulation Violated :	Y
Area of Violation :	Generators - Manifest
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	07/10/2003
Regulation Violated :	Y

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Area of Violation :	Generators - Manifest
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	09/24/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	09/24/2002
Regulation Violated :	Y
Area of Violation :	Generators - Pre-transport
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	07/02/2002
Date Achieved Compliance :	09/24/2002
Regulation Violated :	Y
Area of Violation :	Universal Waste - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/25/2002
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Date of Violation :	06/14/1999
Date Achieved Compliance :	07/19/1999
Regulation Violated :	Y
Area of Violation :	Generators - Pre-transport
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	06/18/1999
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Date of Violation :	03/21/1989
Date Achieved Compliance :	06/01/1989
Regulation Violated :	Y
Area of Violation :	Generators - General
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	03/28/1989
Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Evaluation Action Summary

Evaluation Date :	09/24/2002
Evaluation :	FOLLOW-UP INSPECTION
Area of Violation :	Generators - General
Date Achieved Compliance :	05/05/2003
Evaluation Lead Agency :	State

Evaluation Date :	09/24/2002
Evaluation :	FOLLOW-UP INSPECTION
Area of Violation :	Generators - Manifest
Date Achieved Compliance :	07/10/2003
Evaluation Lead Agency :	State

Evaluation Date :	07/02/2002
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - General
Date Achieved Compliance :	05/05/2003
Evaluation Lead Agency :	State

Evaluation Date :	07/02/2002
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - Manifest
Date Achieved Compliance :	07/10/2003
Evaluation Lead Agency :	State

Evaluation Date :	07/02/2002
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - Pre-transport
Date Achieved Compliance :	07/02/2002
Evaluation Lead Agency :	State

Evaluation Date :	07/02/2002
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - Pre-transport
Date Achieved Compliance :	09/24/2002
Evaluation Lead Agency :	State

Map Id: B6
Direction: NNW
Distance: 0.054 mi.
Actual: 283.484 ft.
Elevation: 0.189 mi. / 999.852 ft.
Relative: Higher

Site Name : YELLOW SPRINGS INSTRUMENT CO INC
1725 BRANNUM LANE
YELLOW SPRINGS, OH 45387

Database(s) : [CORRACTS, RCRA_SQG] ***(cont.)***

Envirosite ID: 414228958
EPA ID: OHD004246716

RCRA_SQG ***(cont.)***

Evaluation Date :	07/02/2002
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Universal Waste - General
Date Achieved Compliance :	09/24/2002
Evaluation Lead Agency :	State
Evaluation Date :	06/14/1999
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - Pre-transport
Date Achieved Compliance :	07/19/1999
Evaluation Lead Agency :	State
Evaluation Date :	05/31/1989
Evaluation :	COMPLIANCE SCHEDULE EVALUATION
Area of Violation :	N/R
Date Achieved Compliance :	N/R
Evaluation Lead Agency :	State
Evaluation Date :	03/21/1989
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	Generators - General
Date Achieved Compliance :	06/01/1989
Evaluation Lead Agency :	State
Evaluation Date :	06/10/1985
Evaluation :	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of Violation :	N/R
Date Achieved Compliance :	N/R
Evaluation Lead Agency :	State

Map Id: 7
Direction: WSW
Distance: 0.091 mi.
Actual: 477.880 ft.
Elevation: 0.184 mi. / 969.721 ft.
Relative: Lower

Site Name : YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS
US 68 AND BRANNUM ROAD
YELLOW SPRINGS, OH 45387

Database(s) : [CERCLIS-HIST, FRS, SEMS_8R_ACTIVE SITES]

Envirosite ID: 1331861
EPA ID: OHN000508224

CERCLIS-HIST

Facility Name :	YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS
Facility Address :	US 68 AND BRANNUM ROAD, YELLOW SPRINGS, OH 45387
County :	GREENE
Site ID :	0508224
Epa ID :	OHN000508224

Map Id: 7
Direction: WSW
Distance: 0.091 mi.
Actual: 477.880 ft.
Elevation: 0.184 mi. / 969.721 ft.
Relative: Lower

Site Name : YELLOW SPRINGS INSTRUMENTS (YSI)
AREA WELLS
US 68 AND BRANNUM ROAD
YELLOW SPRINGS, OH 45387

Database(s) : [CERCLIS-HIST, FRS, SEMS_8R_ACTIVE SITES] ***(cont.)***

Envirosite ID: 1331861
EPA ID: OHN000508224

CERCLIS-HIST ***(cont.)***

Short Name :	YELLOW SPRINGS INSTRUMENT
Congressional District :	07
IFMS ID :	N/R
SMSA Number :	N/R
USGC Hydro Unit :	N/R
Federal Facility :	N
DMNSN Number :	N/R
Site Orphan Flag :	N/R
RCRA ID :	N/R
USGS Quadrangle :	N/R
Site Init by Prog :	S
NFRAP Flag :	N/R
Parent ID :	N/R
RST Code :	N/R
EPA Region :	05
Classification :	N/R
Site Settings Code :	N/R
NPL Status :	Not on the NPL
DMNSN Unit Code :	N/R
RBRAC Code :	N/R
RResp Fed Agency Code :	N/R
Non NPL Status :	Other Cleanup Activity: State-Lead Cleanup
Non NPL Status Date :	09/30/2002
Site Fips Code :	39057
CC Concurrence Date :	N/R
CC Concurrence FY :	N/R
Alias EPA ID :	N/R
Site FUDS Flag :	N/R

CERCLIS Site Contact Name(s)

Contact ID :	N/R
Contact Name :	N/R
Contact Tel. :	N/R
Contact Title :	N/R
Contact Email :	N/R

Alias Comments :	N/R
Site Description :	N/R

CERCLIS Assessment History

Action Code :	001
Action :	COMBINED PRELIMINARY ASSESSMENT/SITE INSPECTION
Date Started :	12/05/2001
Date Completed :	09/30/2002
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	S
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

Map Id: 7
Direction: WSW
Distance: 0.091 mi.
Actual: 477.880 ft.
Elevation: 0.184 mi. / 969.721 ft.
Relative: Lower

Site Name : YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS
US 68 AND BRANNUM ROAD
YELLOW SPRINGS, OH 45387

Database(s) : [CERCLIS-HIST, FRS, SEMS_8R_ACTIVE SITES] ***(cont.)***

Envirosite ID: 1331861
EPA ID: OHN000508224

CERCLIS-HIST ***(cont.)***

Action Code :	001
Action :	DISCOVERY
Date Started :	N/R
Date Completed :	10/01/2001
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	F
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

FRS

Facility Name :	YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS
Facility Address :	US 68 AND BRANNUM ROAD, YELLOW SPRINGS, OH 45387
County :	GREENE
Registry ID :	110013799096
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	12/12/2019

Source Description :

The Superfund Enterprise Management System (SEMS) integrates multiple legacy systems into a comprehensive tracking and reporting tool, providing data on the inventory of active and archived hazardous waste sites evaluated by the Superfund program. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

FRS Environmental Interest

Source and System ID :	SEMS - OHN000508224

SEMS_8R_ACTIVE SITES

Facility Name :	YELLOW SPRINGS INSTRUMENTS (YSI) AREA WELLS
Facility Address :	US 68 AND BRANNUM ROAD, YELLOW SPRINGS, OH 45387
County :	GREENE

Site Details

Site ID :	0508224
EPA ID :	OHN000508224
Region :	05
Congressional District :	07
Federal Facility :	N
NPL Status :	Not on the NPL
Non NPL Status :	Other Cleanup Activity: State-Lead Cleanup
FIPS Code :	39057

Map Id: 7
Direction: WSW
Distance: 0.091 mi.
Actual: 477.880 ft.
Elevation: 0.184 mi. / 969.721 ft.
Relative: Lower

Site Name : YELLOW SPRINGS INSTRUMENTS (YSI)
AREA WELLS
US 68 AND BRANNUM ROAD
YELLOW SPRINGS, OH 45387

Database(s) : [CERCLIS-HIST, FRS, SEMS_8R_ACTIVE SITES] ***(cont.)***

Envirosite ID: 1331861
EPA ID: OHN000508224

SEMS_8R_ACTIVE SITES ***(cont.)***

Superfund Alternative Agreement :	N
Latitude :	N/R
Longitude :	N/R
Last Date in Agency List :	12/19/2019

Additional Information

Start Date :	09/30/2002
Finish Date :	N/R
OU :	00
Action Code :	VA
Action Name :	OTHR CLEANUP
Sequence :	1
Quality :	N/R
Current Action Lead :	St Perf

Start Date :	12/05/2001
Finish Date :	09/30/2002
OU :	00
Action Code :	NX
Action Name :	COMB PA/SI
Sequence :	1
Quality :	H
Current Action Lead :	St Perf

Start Date :	10/01/2001
Finish Date :	10/01/2001
OU :	00
Action Code :	DS
Action Name :	DISCVRY
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf

Map Id: C8
Direction: N
Distance: 0.155 mi.
Actual: 819.812 ft.
Elevation: 0.192 mi. / 1016.02 ft.
Relative: Higher

Site Name : VILLAGE AUTO
1455 XENIA AVE
YELLOW SPRINGS, OH 45387

Database(s) : [ECHO, FRS, RCRA_NONGEN]

Envirosite ID: 414848125
EPA ID: OHR000184580

ECHO

Facility Name :	VILLAGE AUTO
Facility Address :	1455 XENIA AVE, YELLOW SPRINGS, OH 45387
County :	GREENE

Map Id: C8
Direction: N
Distance: 0.155 mi.
Actual: 819.812 ft.
Elevation: 0.192 mi. / 1016.02 ft.
Relative: Higher

Site Name : VILLAGE AUTO
1455 XENIA AVE
YELLOW SPRINGS, OH 45387

Database(s) : [ECHO, FRS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 414848125
EPA ID: OHR000184580

ECHO ***(cont.)***

Site Details

Last Inspection Date :	03/13/2015
Registry ID :	110060283385
FIPS Code :	39057
EPA Region :	05
Inspection Count :	1
Last Inspection Days :	1724
Informal Count :	0
Last Informal Action Date :	07/30/2014
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	N/R
Derived HUC :	05090202
Derived WBD :	050902020104
Derived STCTY FIPS :	39057
Derived Zip :	45387
Derived CD113 :	10
Derived CB2010 :	390572550001010
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC Codes :	N/R
Facility NAICS Codes :	N/R
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	03/13/2015
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R

Map Id: C8
Direction: N
Distance: 0.155 mi.
Actual: 819.812 ft.
Elevation: 0.192 mi. / 1016.02 ft.
Relative: Higher

Site Name : VILLAGE AUTO
1455 XENIA AVE
YELLOW SPRINGS, OH 45387

Database(s) : [ECHO, FRS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 414848125
EPA ID: OHR000184580

ECHO ***(cont.)***

Facility Last Informal Act State Date:	07/30/2014
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	Y
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y
NAA Flag :	Y
Latitude :	39.790942
Longitude :	-83.898972
Last Date in Agency List :	12/02/2019

FRS

Facility Name :	VILLAGE AUTO
Facility Address :	1455 XENIA AVE, YELLOW SPRINGS, OH 45387
County :	GREENE
Registry ID :	110060283385
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	12/12/2019

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID :	RCRAINFO - OHR000184580

RCRA_NONGEN

Facility Name :	VILLAGE AUTO
Facility Address :	1455 XENIA AVE, YELLOW SPRINGS, OH 45387
County :	GREENE

Map Id: C8
Direction: N
Distance: 0.155 mi.
Actual: 819.812 ft.
Elevation: 0.192 mi. / 1016.02 ft.
Relative: Higher

Site Name : VILLAGE AUTO
1455 XENIA AVE
YELLOW SPRINGS, OH 45387

Database(s) : [ECHO, FRS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 414848125
EPA ID: OHR000184580

RCRA_NONGEN ***(cont.)***

Date Form Received by Agency :	06/20/2014
EPA ID :	OHR000184580
Mailing Address :	1455 XENIA AVE, YELLOW SPRINGS, OH 45387
Contact :	TODD FRITSCHIE
Contact Address :	1455 XENIA AVE, YELLOW SPRINGS, OH 45387
Contact Country :	US
Contact Telephone :	937-767-2088
Contact Email :	N/R
EPA Region :	05
Land Type :	Private
Source Type :	Implementer
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	12/06/2019

Owner/Operator Summary

Owner/Operator Name :	N/R
Owner/Operator Address :	N/R
Owner/Operator Country :	N/R
Owner/Operator Telephone :	N/R
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	N/R
Owner/Operator Type :	N/R
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Notices of Violations Summary

Date of Violation :	06/20/2014
Date Achieved Compliance :	03/13/2015
Regulation Violated :	Y
Area of Violation :	Used Oil - Generators
Enforcement Action :	WRITTEN INFORMAL
Enforcement Action Date :	07/30/2014

Map Id: C8
Direction: N
Distance: 0.155 mi.
Actual: 819.812 ft.
Elevation: 0.192 mi. / 1016.02 ft.
Relative: Higher

Site Name : VILLAGE AUTO
1455 XENIA AVE
YELLOW SPRINGS, OH 45387

Database(s) : [ECHO, FRS, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 414848125
EPA ID: OHR000184580

RCRA_NONGEN ***(cont.)***

Enf. Disposition Status :	N/R
Enf. Disp. Status Date :	N/R
Violation Lead Agency :	State
Enforcement Lead Agency :	State
Proposed Penalty Amount :	N/R
Final Penalty Amount :	N/R
Paid Penalty Amount :	N/R

Evaluation Action Summary

Evaluation Date :	03/13/2015
Evaluation :	FOLLOW-UP INSPECTION
Area of Violation :	N/R
Date Achieved Compliance :	N/R
Evaluation Lead Agency :	State

Evaluation Date :	06/20/2014
Evaluation :	FOCUSED COMPLIANCE INSPECTION
Area of Violation :	Used Oil - Generators
Date Achieved Compliance :	03/13/2015
Evaluation Lead Agency :	State

Map Id: C9
Direction: N
Distance: 0.178 mi.
Actual: 938.647 ft.
Elevation: 0.193 mi. / 1017.546 ft.
Relative: Higher

Site Name : JAMES SHATTUCK
1435 XENIA
YELLOW SPRINGS, OH 45387

Database(s) : [ARCHIVE UST - OH, LUST - OH]

Envirosite ID: 2774291
EPA ID: N/R

ARCHIVE UST - OH

Facility Name :	JAMES SHATTUCK
Facility Address :	1435 XENIA, YELLOW SPRINGS, Ohio 45387
County :	Greene

Site Details

Facility Number :	29000874
Facility Type :	Gas Station
Owner Name :	N/R
Owner Address :	N/R
Last Date in Agency List :	01/17/2020

Tank Information

Installation Date :	N/R
Tank Number :	T00001
Tank Type :	UST

Map Id: C9
Direction: N
Distance: 0.178 mi.
Actual: 938.647 ft.
Elevation: 0.193 mi. / 1017.546 ft.
Relative: Higher

Site Name : JAMES SHATTUCK
1435 XENIA
YELLOW SPRINGS, OH 45387

Database(s) : [ARCHIVE UST - OH, LUST - OH] ***(cont.)***

Envirosite ID: 2774291
EPA ID: N/R

ARCHIVE UST - OH ***(cont.)***

Status :	REM - Removed
Date Last Used :	10/31/2002
Date TCL Closed :	N/R
Date Removed :	10/31/2002
Tank Content :	Gasoline
UST Capacity :	6000
Construction :	Other
CAS Number :	8006-61-9
Abandoned Approved :	N/R
Comments :	N/R
Regulated :	YES
Sensitive Area :	NO
Date of Sensitivity :	N/R
UST Configurations :	N/R
Construction Comments :	Other
Corrosion Protections :	N/R
Corrosion Protection Comments :	N/R
Primary Release Detection :	AMO - Alternative Method (Other, explain)
Secondary Release Detection :	N/R
Release Detection Comments :	RDTank: / RDLine:
Piping Configuration :	N/R
Piping Configuration Comments :	N/R
Piping Styles :	NA - Not Applicable
Piping Constructions :	OTH - Other (explain)
Piping Construction Comments :	Unknown
Piping Corrosion Protections :	OTH - Other (explain)
Piping Corrosion Protection Comments:	N/R
Piping Release Detections :	OTH - Other(explain)
Piping Release Detection Comments :	N/R
Spill Prevention Manholes :	NP - None Present
Spill Prevention Manhole Comments :	No
Overfill Prevention :	N/R
Overfill Prevention Comment :	OverFill Spill: No
Latitude :	39.79124
Longitude :	-83.89837

Installation Date :	N/R
Tank Number :	T00002
Tank Type :	UST
Status :	REM - Removed
Date Last Used :	10/31/2002
Date TCL Closed :	N/R
Date Removed :	10/31/2002
Tank Content :	Gasoline
UST Capacity :	3000
Construction :	Other
CAS Number :	8006-61-9
Abandoned Approved :	N/R
Comments :	N/R
Regulated :	YES
Sensitive Area :	NO
Date of Sensitivity :	N/R
UST Configurations :	N/R
Construction Comments :	Other
Corrosion Protections :	N/R
Corrosion Protection Comments :	N/R

Map Id: C9
Direction: N
Distance: 0.178 mi.
Actual: 938.647 ft.
Elevation: 0.193 mi. / 1017.546 ft.
Relative: Higher

Site Name : JAMES SHATTUCK
1435 XENIA
YELLOW SPRINGS, OH 45387

Database(s) : [ARCHIVE UST - OH, LUST - OH] ***(cont.)***

Envirosite ID: 2774291
EPA ID: N/R

ARCHIVE UST - OH ***(cont.)***

Primary Release Detection :	AMO - Alternative Method (Other, explain)
Secondary Release Detection :	N/R
Release Detection Comments :	RDTank: / RDLine:
Piping Configuration :	N/R
Piping Configuration Comments :	N/R
Piping Styles :	NA - Not Applicable
Piping Constructions :	OTH - Other (explain)
Piping Construction Comments :	Unknown
Piping Corrosion Protections :	OTH - Other (explain)
Piping Corrosion Protection Comments:	N/R
Piping Release Detections :	OTH - Other(explain)
Piping Release Detection Comments :	N/R
Spill Prevention Manholes :	NP - None Present
Spill Prevention Manhole Comments :	No
Overfill Prevention :	N/R
Overfill Prevention Comment :	OverFill Spill: No
Latitude :	39.79124
Longitude :	-83.89837

Installation Date :	N/R
Tank Number :	T00003
Tank Type :	UST
Status :	REM - Removed
Date Last Used :	10/31/2002
Date TCL Closed :	N/R
Date Removed :	10/31/2002
Tank Content :	Gasoline
UST Capacity :	3000
Construction :	Other
CAS Number :	8006-61-9
Abandoned Approved :	N/R
Comments :	N/R
Regulated :	YES
Sensitive Area :	NO
Date of Sensitivity :	N/R
UST Configurations :	N/R
Construction Comments :	Other
Corrosion Protections :	N/R
Corrosion Protection Comments :	N/R
Primary Release Detection :	AMO - Alternative Method (Other, explain)
Secondary Release Detection :	N/R
Release Detection Comments :	RDTank: / RDLine:
Piping Configuration :	N/R
Piping Configuration Comments :	N/R
Piping Styles :	NA - Not Applicable
Piping Constructions :	OTH - Other (explain)
Piping Construction Comments :	Unknown
Piping Corrosion Protections :	OTH - Other (explain)
Piping Corrosion Protection Comments:	N/R
Piping Release Detections :	OTH - Other(explain)
Piping Release Detection Comments :	N/R
Spill Prevention Manholes :	NP - None Present
Spill Prevention Manhole Comments :	No
Overfill Prevention :	N/R
Overfill Prevention Comment :	OverFill Spill: No
Latitude :	39.79124

Map Id: C9
Direction: N
Distance: 0.178 mi.
Actual: 938.647 ft.
Elevation: 0.193 mi. / 1017.546 ft.
Relative: Higher

Site Name : JAMES SHATTUCK
1435 XENIA
YELLOW SPRINGS, OH 45387

Database(s) : [ARCHIVE UST - OH, LUST - OH] ***(cont.)***

Envirosite ID: 2774291
EPA ID: N/R

ARCHIVE UST - OH ***(cont.)***

Longitude :	-83.89837
Installation Date :	N/R
Tank Number :	T00004
Tank Type :	UST
Status :	REM - Removed
Date Last Used :	10/31/2002
Date TCL Closed :	N/R
Date Removed :	10/31/2002
Tank Content :	Gasoline
UST Capacity :	2000
Construction :	Other
CAS Number :	8006-61-9
Abandoned Approved :	N/R
Comments :	N/R
Regulated :	YES
Sensitive Area :	NO
Date of Sensitivity :	N/R
UST Configurations :	N/R
Construction Comments :	Other
Corrosion Protections :	N/R
Corrosion Protection Comments :	N/R
Primary Release Detection :	AMO - Alternative Method (Other, explain)
Secondary Release Detection :	N/R
Release Detection Comments :	RDTank: / RDLine:
Piping Configuration :	N/R
Piping Configuration Comments :	N/R
Piping Styles :	NA - Not Applicable
Piping Constructions :	OTH - Other (explain)
Piping Construction Comments :	Unknown
Piping Corrosion Protections :	OTH - Other (explain)
Piping Corrosion Protection Comments:	N/R
Piping Release Detections :	OTH - Other(explain)
Piping Release Detection Comments :	N/R
Spill Prevention Manholes :	NP - None Present
Spill Prevention Manhole Comments :	No
Overfill Prevention :	N/R
Overfill Prevention Comment :	OverFill Spill: No
Latitude :	39.79124
Longitude :	-83.89837
Installation Date :	N/R
Tank Number :	T00005
Tank Type :	UST
Status :	REM - Removed
Date Last Used :	10/31/2002
Date TCL Closed :	N/R
Date Removed :	10/31/2002
Tank Content :	Gasoline
UST Capacity :	2000
Construction :	Other
CAS Number :	8006-61-9
Abandoned Approved :	N/R
Comments :	N/R
Regulated :	YES

Map Id: C9
Direction: N
Distance: 0.178 mi.
Actual: 938.647 ft.
Elevation: 0.193 mi. / 1017.546 ft.
Relative: Higher

Site Name : JAMES SHATTUCK
1435 XENIA
YELLOW SPRINGS, OH 45387

Database(s) : [ARCHIVE UST - OH, LUST - OH] ***(cont.)***

Envirosite ID: 2774291
EPA ID: N/R

ARCHIVE UST - OH ***(cont.)***

Sensitive Area :	NO
Date of Sensitivity :	N/R
UST Configurations :	N/R
Construction Comments :	Other
Corrosion Protections :	N/R
Corrosion Protection Comments :	N/R
Primary Release Detection :	AMO - Alternative Method (Other, explain)
Secondary Release Detection :	N/R
Release Detection Comments :	RDTank: / RDLine:
Piping Configuration :	N/R
Piping Configuration Comments :	N/R
Piping Styles :	NA - Not Applicable
Piping Constructions :	OTH - Other (explain)
Piping Construction Comments :	Unknown
Piping Corrosion Protections :	OTH - Other (explain)
Piping Corrosion Protection Comments:	N/R
Piping Release Detections :	OTH - Other(explain)
Piping Release Detection Comments :	N/R
Spill Prevention Manholes :	NP - None Present
Spill Prevention Manhole Comments :	No
Overfill Prevention :	N/R
Overfill Prevention Comment :	OverFill Spill: No
Latitude :	39.79124
Longitude :	-83.89837

LUST - OH

Facility Name :	JAMES SHATTUCK
Facility Address :	1435 XENIA, YELLOW SPRINGS, OH 45387
County :	Greene

Site Details

Review Date :	09/09/2019
Release Date :	11/20/2002
Release Number :	29000874-N00001
LTF Status :	6 Closure of regulated UST
FR Status :	CLO: Closure
Facility Status :	Active
Priority :	2
Class :	B
Latitude :	39.79124
Longitude :	-83.89837
Last Date in Agency List :	12/25/2019

Map Id: 10
Direction: SSE
Distance: 0.356 mi.
Actual: 1877.158 ft.
Elevation: 0.176 mi. / 930.459 ft.
Relative: Lower

Site Name : 00435
394638, 835347
OH

Database(s) : [SLUDGE - OH]

Envirosite ID: 353810279
EPA ID: N/R

SLUDGE - OH

SIA Number :	00435
Category :	IND
State ID :	SW 057 130SW
SIC Code :	336
NPDES Number :	OH0040576
Impound :	003
Rpt Date :	101278
Owner :	MORRIS BEAN AND COMPANY
Owner Address :	777 EAST HYDE ROAD, YELLOW SPRINGS, OH 45387
Purpose :	x
Purpose Description :	SETTLING
Age 1980 :	30
SURF AR AL :	0000335
Influ All :	000217000
Influ Year :	1979
Liner Type :	01
Linter Thknes :	000
Liner Other :	N/R
GW Mon Wel :	N
GW Cnt Pot :	23
County :	Greene
Latitude :	394638
Longitude :	835347

No unmappable sites reported.

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 12/06/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

RCRA_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 12/06/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/16/2020

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/16/2020

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 12/19/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8712
Most Recent Contact: 03/16/2020

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 12/19/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 12/06/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 02/14/2020

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 03/30/2020

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 02/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/20/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 02/10/2020

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 01/08/2020
Agency Update Frequency: Annually
Planned Next Contact: 05/20/2020
Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 03/18/2020

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

FEDERAL RCRA GENERATORS LIST (cont.)

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

HIST RCRA_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/26/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/30/2020

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 12/06/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 12/06/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 12/06/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 12/06/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/24/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 02/14/2020

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

FEDERAL NPL SITE LIST (cont.)

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 03/16/2020

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SEMS_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

RCRA IC_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 01/14/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/02/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/24/2020

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)

Fed E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 09/30/2013
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/01/2020

Fed I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 09/30/2013
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/01/2020

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 06/21/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/30/2020
Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 02/04/2020

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 03/03/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/12/2020
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 03/03/2020

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 10/11/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2020
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 03/09/2020

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 04/12/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 10/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 01/23/2020
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/29/2020
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 04/02/2020

STATE AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 10/11/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 10/03/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/08/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

ARCHIVE UST - OH: Underground Storage Tanks that have been removed

Agency Version Date: 01/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/05/2020
Agency: Ohio EPA
Agency Contact: (614) 752-7938
Most Recent Contact: 03/27/2020

UST - OH: Registered Underground Storage Tanks

Agency Version Date: 01/21/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/09/2020
Agency: Ohio EPA
Agency Contact: (614) 752-7938
Most Recent Contact: 03/31/2020

STATE AND TRIBAL LEAKING STORAGE TANK LISTS

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 03/03/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/12/2020
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 03/03/2020

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 10/11/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 05/18/2020
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 03/09/2020

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 04/12/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 06/08/2020
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 03/30/2020

STATE AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 10/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 01/13/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/01/2020
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 03/23/2020

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 07/02/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/28/2020
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 03/19/2020

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 10/03/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 03/20/2020

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 10/04/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 03/02/2020

LAST - OH: Leaking Aboveground Storage Tanks

Agency Version Date: 01/10/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/20/2020
Agency: Ohio EPA
Agency Contact: (614) 752-7938
Most Recent Contact: 02/24/2020

LUST - OH: Listing of leaking tanks

Agency Version Date: 12/25/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/13/2020
Agency: Ohio EPA
Agency Contact: (614) 752-7938
Most Recent Contact: 03/04/2020

UNREG LTANKS - OH: Oil and other releases from the Ohio Department of Commerce

Agency Version Date: 01/10/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/20/2020
Agency: Ohio Department of Commerce
Agency Contact: 614-387-7412
Most Recent Contact: 02/24/2020

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 02/10/2014
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/15/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/17/2020

STATE AND TRIBAL BROWNFIELD SITES (cont.)

BROWNFIELDS - OH: Sites with Brownfields

Agency Version Date: 01/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/09/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2285
Most Recent Contact: 01/30/2020

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

E C - OH: Sites with Engineering Controls

Agency Version Date: 11/15/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/10/2020
Agency: Division of Environmental Response and Revitalization
Agency Contact: (614) 644-2309
Most Recent Contact: 01/31/2020

I C - OH: Sites with Institutional Controls

Agency Version Date: 11/15/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/10/2020
Agency: Division of Environmental Response and Revitalization
Agency Contact: (614) 644-2309
Most Recent Contact: 01/31/2020

IC LUC - OH: State Remedial Response Sites with Land Use Institutional Controls in Place.

Agency Version Date: 06/28/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/30/2020
Agency: Division of Environmental Response and Revitalization
Agency Contact: (614) 644-2924
Most Recent Contact: 04/03/2020

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST LF - OH: Old/abandoned Solid Waste Facilities

Agency Version Date: 01/24/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/30/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 04/03/2020

HIST LF-LD - OH: Database developed from Ohio EPA staff notebooks and other information dating from the mid-1970s.

Agency Version Date: 10/23/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/16/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 03/18/2020

SWF/LF - OH: Solid Waste Landfills

Agency Version Date: 12/17/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/05/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2306
Most Recent Contact: 03/27/2020

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - OH: Sites with Voluntary Cleanup Program

Agency Version Date: 11/15/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/10/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2309
Most Recent Contact: 01/31/2020

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 12/13/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/09/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 01/30/2020

Fed Brownfields: Federal brownfield remediation sites

Agency Version Date: 12/31/2019
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/19/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/10/2020

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 12/23/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/11/2020
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/02/2020

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/19/2020
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 03/23/2020

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 05/15/2020
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 02/19/2020

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 03/16/2020

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017
Agency Update Frequency: No Update
Planned Next Contact: 06/09/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/31/2020

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 06/27/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020
Agency: Indian Health Service
Agency Contact: 301-443-3593
Most Recent Contact: 04/02/2020

SWRCY - OH: Recycling Facilities

Agency Version Date: 01/07/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/16/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 01/20/2020

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 11/27/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/15/2020
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 02/05/2020

SPILLS - OH: Incidents reported to the Emergency Response Unit

Agency Version Date: 01/02/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/21/2020
Agency: Ohio EPA
Agency Contact: N/R
Most Recent Contact: 03/12/2020

LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/15/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 01/17/2020

OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 01/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/20/2020

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 02/12/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/22/2020
Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 02/12/2020

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 12/06/2019
Agency Update Frequency: Biennial
Planned Next Contact: 04/24/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/14/2020

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Agency for Toxic Substances and Disease Registry
Agency Contact: 770-488-6399
Most Recent Contact: 03/16/2020

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 11/28/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/16/2020
Agency: Department of Energy
Agency Contact: (202) 586-8800
Most Recent Contact: 02/06/2020

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 07/31/2014
Agency Update Frequency: Varies
Planned Next Contact: 06/01/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/23/2020

OTHER ASCERTAINABLE RECORDS (cont.)

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 02/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/04/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/05/2020

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

DEBRIS R5 LF: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 03/15/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/08/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/28/2020

DEBRIS R5 SWRCY: US EPA Region 5 Disaster Debris Recovery Database is a list of public facilities for disaster construction and demolition materials, electronics, household hazardous waste, metals, tires, and vehicles in EPA Region 5.

Agency Version Date: 03/15/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/08/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 02/28/2020

DOD: Department of Defense sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

DOT OPS: Incident Data Report

Agency Version Date: 01/20/2020
Agency Update Frequency: Varies
Planned Next Contact: 06/08/2020
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 03/30/2020

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 12/02/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/20/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 02/10/2020

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 11/15/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/30/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/03/2020

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 01/10/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/20/2020

OTHER ASCERTAINABLE RECORDS (cont.)

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 02/05/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/15/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 02/05/2020

EPA WATCH: The EPA Watch List was used 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. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/14/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 01/16/2020

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 12/17/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/05/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/25/2020

FEDLAND: Federal land locations

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

FRS: Facility Registry Systems

Agency Version Date: 12/12/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/04/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/26/2020

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/16/2013
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/06/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 02/10/2020

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 04/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 01/31/2020

FUDS: Defense sites that require cleanup

Agency Version Date: 09/30/2015
Agency Update Frequency: Varies
Planned Next Contact: 06/01/2020
Agency: US Army Corps of Engineering
Agency Contact: (202) 761-0011
Most Recent Contact: 03/23/2020

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 04/15/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/17/2020

OTHER ASCERTAINABLE RECORDS (cont.)

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 11/26/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 05/19/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/21/2020

HIST DOD: Department of Defense historical sites

Agency Version Date: 08/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/26/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/28/2020

HIST LEAD_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 05/04/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/06/2020

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016
Agency Update Frequency: Annually
Planned Next Contact: 05/15/2020
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/19/2020

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018
Agency Update Frequency: No Update
Planned Next Contact: 06/01/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/03/2020

HIST PCS ENF: List of permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/08/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/22/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 03/24/2020

HIST PCS FACILITY: List of Permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/18/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/22/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 03/24/2020

HIST SSTS: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019
Agency Update Frequency: Annually
Planned Next Contact: 06/05/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/09/2020

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 10/28/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 05/29/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/20/2020

OTHER ASCERTAINABLE RECORDS (cont.)

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 12/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/11/2020

INACTIVE PCS: Inactive Permitted facilities to discharge wastewater

Agency Version Date: 12/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 02/11/2020

INDIAN RESERVATION: Indian Reservation sites

Agency Version Date: 12/17/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/05/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 02/25/2020

LUCIS: Land Use Control Information Systems

Agency Version Date: 01/23/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/17/2020
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 01/21/2020

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/01/2020
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 03/03/2020

MINES: Mines Master Index Files

Agency Version Date: 02/12/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/22/2020
Agency: Department of Labor
Agency Contact: (202) 693-9400
Most Recent Contact: 02/12/2020

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 02/17/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/27/2020
Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 02/17/2020

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 10/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/19/2020
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 02/21/2020

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 03/16/2020

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

OTHER ASCERTAINABLE RECORDS (cont.)

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 02/11/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Occupational Safety & Health Administration
Agency Contact: 800-321-6742
Most Recent Contact: 02/11/2020

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 01/03/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/22/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/13/2020

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 01/15/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 06/03/2020
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 03/25/2020

PCS ENF: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 12/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 02/11/2020

PCS FACILITY: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 12/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-6582
Most Recent Contact: 02/11/2020

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/18/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/20/2020

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 05/07/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/27/2020

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 12/10/2019
Agency Update Frequency: Monthly
Planned Next Contact: 04/30/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2534
Most Recent Contact: 02/04/2020

ROD: Permanent remedy at an NPL site

Agency Version Date: 01/06/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/25/2020
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 03/16/2020

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 01/23/2020
Agency Update Frequency: No Update
Planned Next Contact: 06/29/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/02/2020

OTHER ASCERTAINABLE RECORDS (cont.)

SEMS_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 01/06/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/25/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/16/2020

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 01/29/2020
Agency Update Frequency: Annually
Planned Next Contact: 04/08/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/29/2020

STORMWATER: Permitted storm water sites

Agency Version Date: 12/03/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/21/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/11/2020

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 01/29/2020
Agency Update Frequency: Varies
Planned Next Contact: 04/08/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 01/29/2020

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 12/02/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/20/2020
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 02/10/2020

UMTRA: Uranium Recovery Sites

Agency Version Date: 07/18/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/23/2020
Agency: United States Nuclear Regulatory Commission
Agency Contact: (301) 415-8200
Most Recent Contact: 02/13/2020

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 02/08/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/30/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/03/2020

Corrective Actions_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 05/18/2020
Agency: U.S. Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 02/20/2020

AIRS - OH: Title V Permit listings

Agency Version Date: 02/13/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 04/23/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2270
Most Recent Contact: 02/13/2020

OTHER ASCERTAINABLE RECORDS (cont.)

COAL ASH - OH: Sites with Coal Ash Disposal Facilities

Agency Version Date: 01/22/2018
Agency Update Frequency: Varies
Planned Next Contact: 04/13/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 01/15/2020

COAL ASH 2 - OH: Sites with Coal Ash Disposal Facilities

Agency Version Date: 01/22/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 04/13/2020
Agency: Ohio EPA
Agency Contact: 614) 644-2782
Most Recent Contact: 01/15/2020

CRO - OH: Cessation of Regulated Operations Facility Listing

Agency Version Date: 09/26/2018
Agency Update Frequency: Varies
Planned Next Contact: 04/29/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2621
Most Recent Contact: 02/19/2020

DAYCARE - OH: Daycare listing

Agency Version Date: 01/27/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/03/2020
Agency: Department of Job and Family Services
Agency Contact: (800) 686-1556
Most Recent Contact: 04/06/2020

DERR - OH: Sites listed in the DERR database

Agency Version Date: 11/14/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/29/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2304
Most Recent Contact: 04/02/2020

DRYCLEANERS - OH: Sites with Drycleaners

Agency Version Date: 02/14/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/12/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2924
Most Recent Contact: 02/14/2020

HIST NPDES - OH: List of Industrial & Municipal water discharge permits that are no longer in current agency list.

Agency Version Date: 07/13/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/02/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2001
Most Recent Contact: 03/04/2020

HIST USD - OH: Withdrawn sites

Agency Version Date: 01/03/2020
Agency Update Frequency: Quarterly
Planned Next Contact: 05/22/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2924
Most Recent Contact: 03/13/2020

NPDES - OH: Listing of facilities with wastewater and NPDES permits

Agency Version Date: 01/02/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/21/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2001
Most Recent Contact: 03/12/2020

SLUDGE - OH: Database of sludge pits, ponds and lagoon sites. The SIABASE data was published by US EPA in 1980.

Agency Version Date: 12/25/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/10/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 03/12/2020

OTHER ASCERTAINABLE RECORDS (cont.)

TOWN GAS - OH: A list of 82 sites of coal gas generators in Ohio.

Agency Version Date: 12/25/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/09/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2782
Most Recent Contact: 03/11/2020

UIC - OH: Regulated Underground Injection Controlled wells

Agency Version Date: 12/04/2019
Agency Update Frequency: Varies
Planned Next Contact: 04/22/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2752
Most Recent Contact: 02/12/2020

USD - OH: Sites with Urban Setting Designation Sites

Agency Version Date: 01/03/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/22/2020
Agency: Ohio EPA
Agency Contact: (614) 644-2924
Most Recent Contact: 03/13/2020

SUBJECT PROPERTY ADDRESS:

Struewing Property
Miami Township
Yellow Springs, OH 45387

SUBJECT PROPERTY COORDINATES:

Latitude(North):	39.785679 - 39°47'8.4"
Longitude(West):	-83.898493 - -83°53'54.6"
Universal Transverse Mercator:	Zone 17N
UTM X (Meters):	251794.32
UTM Y (Meters):	4407989.50

ELEVATION:

Elevation:	988.491 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	39083-G8 Yellow Springs, OH
Most Recent Revision:	2016

GEOHYDROLOGY DATA:

SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: Southwest

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
GREENE	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	39057C
Additional Panels in search area:	No available data

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
GREENE	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	3906400002B 3901930030B
Additional Panels in search area:	3906400001B 3901930010B 3901930015B 3901930035B

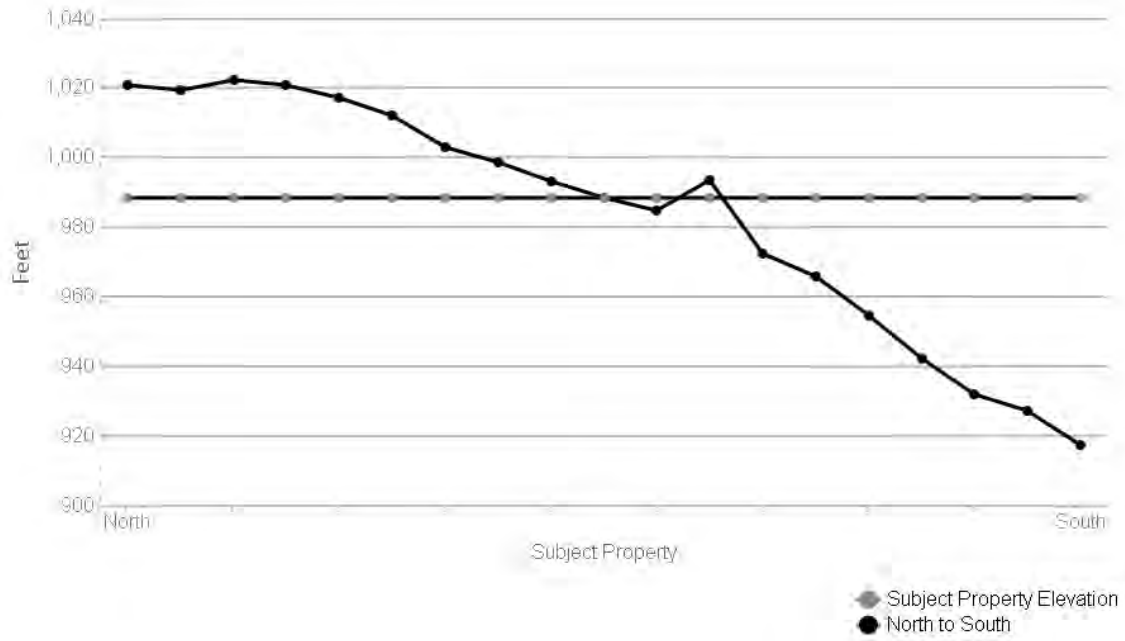
NATIONAL WETLAND INVENTORY:

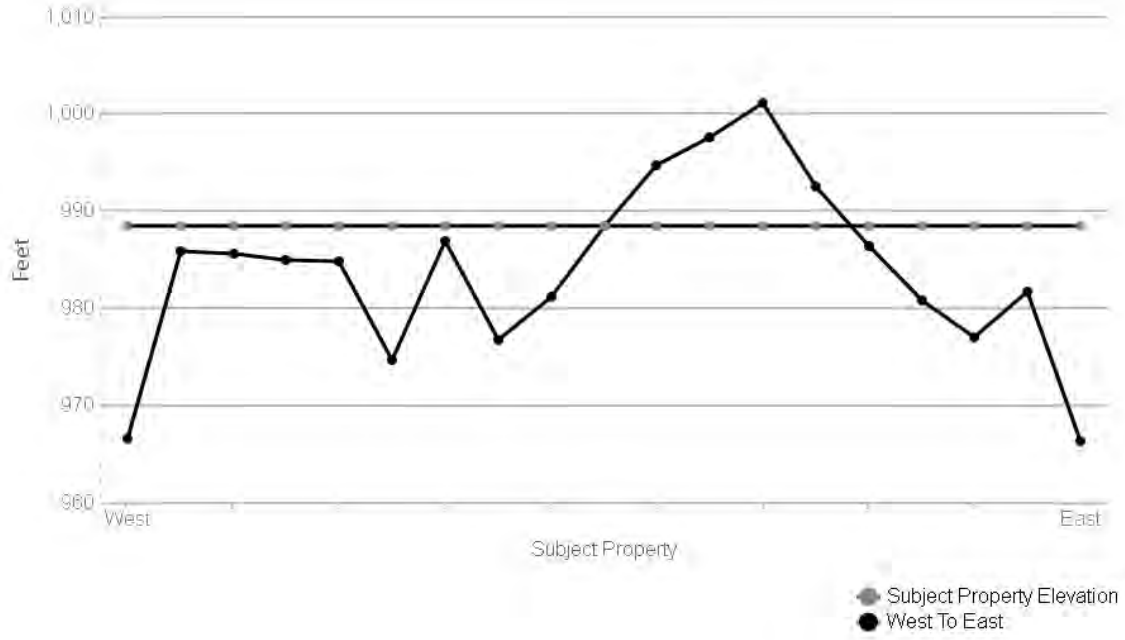
	NWI Electronic
NWI Quad at Subject Property:	Data Coverage:
Yellow Springs	Yes - refer to the Geological Findings Map

LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:		GEOLOGIC AGE IDENTIFICATION
Era:	N/R	Category: 118 S2 Middle Silurian (Niagaran)
System:	N/R	
Series:	Middle Silurian (Niagaran)	
Code:	S2	

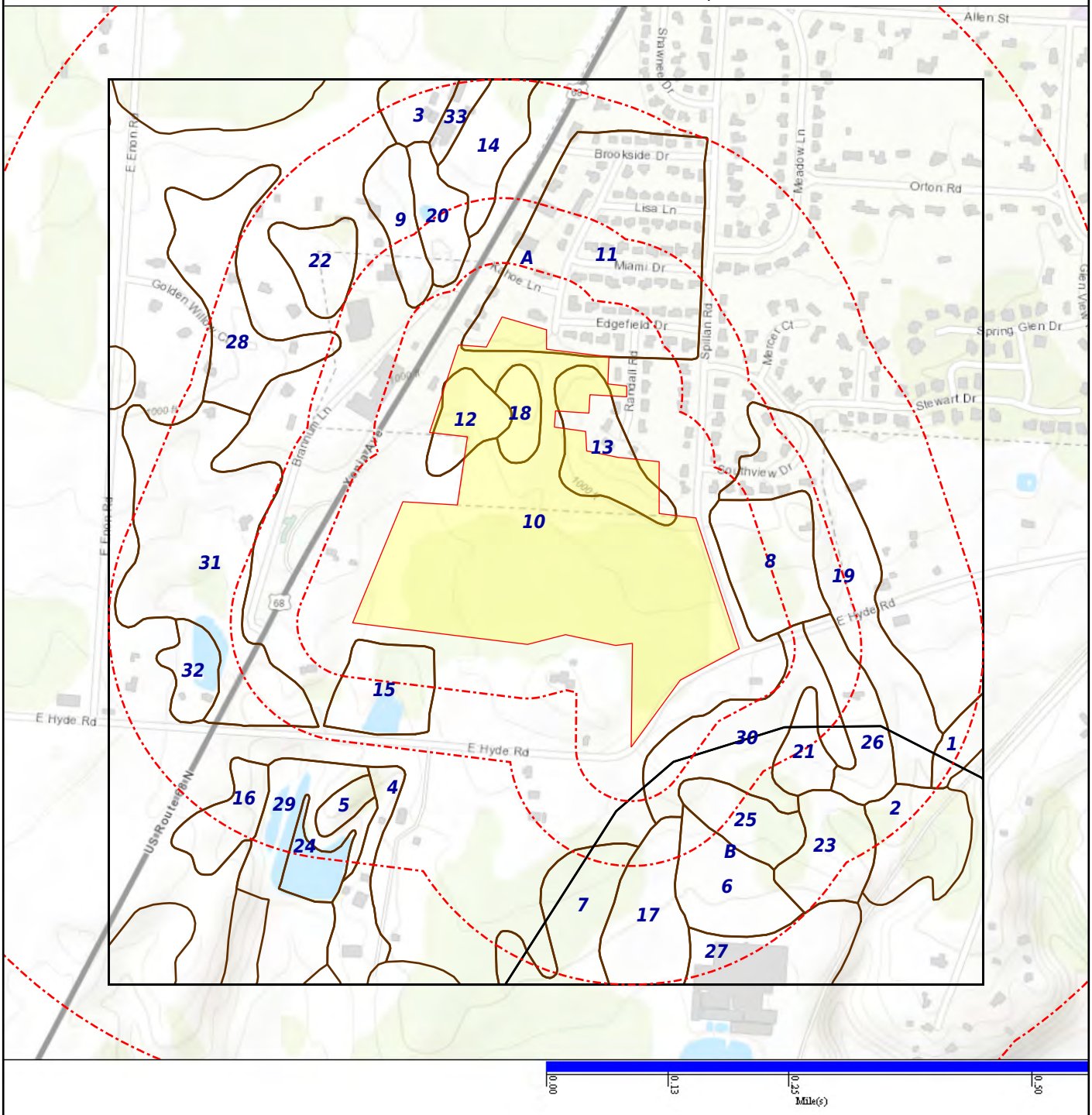
SURROUNDING ELEVATION PROFILES:





SUBJECT NAME: Struewing Property
ADDRESS: Miami Township, Yellow Springs, OH, 45387
LAT/LONG: 39.785679 / -83.898493

PREPARED FOR: Kilbane Environmental
ORDER #: 40586
REPORT DATE: April 07, 2020



SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

SOIL MAP ID 1

USDA Soil Name	Celina,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-7.3
2	9-25	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.8
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	0.42-1.41	6.6-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	25-30	Loam	1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	6.6-8.4
4	30-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 2

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil	1.41-4.23	5.6-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.6-7.3
2	6-22	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.3
3	22-27	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-8.4
4	27-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	0.42-1.41	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	27-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	7.4-8.4

SOIL MAP ID 3

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	1.41-4.23	5.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	12-24	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	24-33	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.6-7.8
5	33-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	0.07-1.41	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
5	33-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 4

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction	1.41-4.23	5.1-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	7-38	Clay loam	and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 5

USDA Soil Name	Ritchey,Taxadjunct
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4.23-14.11	5.6-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.8
2	7-18	Clay	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.6-8.4
3	18-20		No data	No data	0-4.23	0-0

SOIL MAP ID 6

USDA Soil Name	Eldean,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent	4.23-14.11	5.6-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	10-31	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-14.11	5.6-7.8
3	31-38	Loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, sands with fines, Clayey Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.6-7.8
4	38-79	Sand	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.34-141.14	7.4-8.4

SOIL MAP ID 7

USDA Soil Name	Raub,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	10
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-14	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-6.5
2	14-27	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-6.5
3	27-44	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	6.1-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	27-44	Clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.8
4	44-60	Clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.423-1.41	7.4-8.4

SOIL MAP ID 8

USDA Soil Name	Miamian,Series
USDA Soil Texture	Clay loam
Hydrologic Soil Group	C
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	5.1-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Clay loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 9

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 10

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	10-14	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	14-36	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	5.1-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	14-36	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	36-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	7.4-8.4

SOIL MAP ID 11

USDA Soil Name	Miamian,Series
USDA Soil Texture	Clay loam
Hydrologic Soil Group	C
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	5.1-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Clay loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 12

USDA Soil Name	Brookston,Taxadjunct
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	12-39	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
3	39-60	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 13

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 14

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	1.41-4.23	5.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	12-24	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	24-33	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.6-7.8
5	33-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 15

USDA Soil Name	Pits, gravel,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 16

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.6-7.3
2	6-22	Clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.3
3	22-27	Clay loam	Reference: This is a	FINE-GRAINED SOILS,	1.41-4.23	5.1-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	22-27	Clay loam	classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-8.4
4	27-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	7.4-8.4

SOIL MAP ID 17

USDA Soil Name	Ragsdale,Series
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Poorly drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent	4.23-14.11	6.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silty clay loam	1984.	on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	13-50	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
3	50-79	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	7.4-8.4

SOIL MAP ID 18

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 19

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 20

USDA Soil Name	Brookston,Taxadjunct
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	12-39	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	6.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	12-39	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
3	39-60	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 21

USDA Soil Name	Brookston,Taxadjunct
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-14.11	6.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
2	12-39	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.3
3	39-60	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 22

USDA Soil Name	Celina,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-7.3
2	9-25	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.8
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	6.6-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	6.6-8.4
4	30-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 23

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	5.1-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 24

USDA Soil Name	Water,Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

SOIL MAP ID 25

USDA Soil Name	Eldean,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	13-33	Clay	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.8
3	33-38	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, sands with fines, Clayey Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	4.23-42.34	6.6-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	33-38	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	4.23-42.34	6.6-8.4
4	38-60	Loamy coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42.34-141.14	6.6-8.4

SOIL MAP ID 26

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4.23-14.11	5.6-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	10-14	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	14-36	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	36-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	7.4-8.4

SOIL MAP ID 27

USDA Soil Name	Miamian,Series
USDA Soil Texture	Clay loam
Hydrologic Soil Group	C
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 28

USDA Soil Name	Celina,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-7.3
2	9-25	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	1.41-4.23	4.5-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	9-25	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.8
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.41	6.6-8.4
4	30-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 29

USDA Soil Name	Sloan,Series
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Very poorly drained
Hydric Classification	88
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-24	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.8
2	24-45	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.1-7.8
3	45-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	6.6-7.8

SOIL MAP ID 30

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	12-24	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	5.1-7.8

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	12-24	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	24-33	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.6-7.8
5	33-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 31

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-6.5
2	7-38	Clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-6.5
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	1.41-4.23	7.4-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	38-60	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	1.41-4.23	7.4-8.4

SOIL MAP ID 32

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.6-7.3
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	1.41-4.23	5.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	9-12	Silty clay loam	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.3
3	12-24	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	5.1-7.8
4	24-33	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	6.6-7.8
5	33-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID 33

USDA Soil Name	Celina,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4.23-14.11	5.1-7.3
2	9-25	Clay	Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.41-4.23	4.5-7.8
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.42-1.41	6.6-8.4

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	25-30	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.42-1.41	6.6-8.4
4	30-79	Loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.07-1.41	7.4-8.4

SOIL MAP ID A

USDA Soil Name	Miamian,Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	10
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-9	Silt loam	No data	No data	4.2343-14.1143	5.6-7.3
2	9-12	No data	No data	No data	1.4114-4.2343	5.1-7.3
3	12-33	No data	No data	No data	1.4114-4.2343	5.1-7.8
4	33-80	No data	No data	No data	1.4114-4.2343	7.4-8.4

SOIL MAP ID B

USDA Soil Name	Eldean,Series
USDA Soil Texture	Clay loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	10
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Clay loam	No data	No data	4.2343-14.1143	5.6-7.3
2	12-23	No data	No data	No data	1.4114-14.1143	5.6-7.8
3	23-30	No data	No data	No data	4.2343-14.1143	6.6-8.4
4	30-60	Sand	No data	No data	42.343-141.1433	7.4-8.4

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
NWIS	1.000
OIL & GAS WELLS - OH	1.000
PWS	1.000

DISTANCE TO NEAREST:	DISTANCE:
NWIS	0.795 mi / 4199 ft
OIL & GAS WELLS - OH	0.082 mi / 433 ft
PWS	N/A

FEDERAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
6	93905700365030	1/2 - 1 Mile S
8	394727083523000	1/2 - 1 Mile ENE

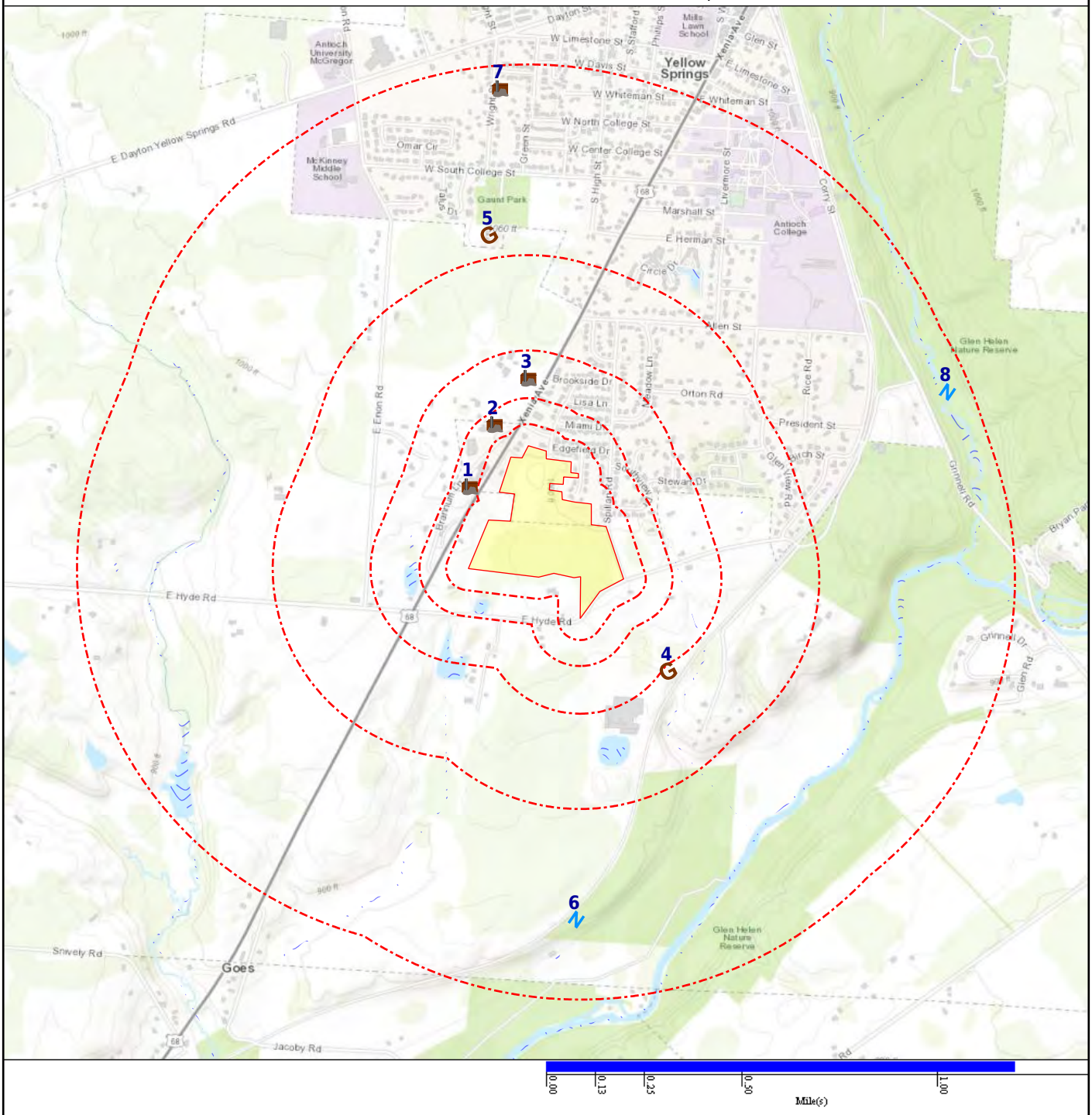
Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
1	34057600320000	< 1/8 Mile WNW
2	34057600330000	< 1/8 Mile NW
3	34057600040000	1/8 - 1/4 Mile N
7	34057600350000	1/2 - 1 Mile N

SUBJECT NAME: Struewing Property
ADDRESS: Miami Township, Yellow Springs, OH, 45387
LAT/LONG: 39.785679 / -83.898493

PREPARED FOR: Kilbane Environmental
ORDER #: 40586
REPORT DATE: April 07, 2020



Map Id: 1
Direction: WNW
Distance: 0.082 mi.
Actual: 432.691 ft.
Elevation: 0.191 mi. / 1005.984 ft.
Relative: Higher

Site Name : 34057600320000
39.7873017, -83.90234351
MIAMI, OH

Database(s) : [OIL & GAS WELLS - OH]

Envirosite ID: 424999765
EPA ID: N/R

OIL & GAS WELLS - OH

API Number :	34057600320000
Permit Issued :	N/R
Completion Date :	N/R
Plug Date :	N/R
Well Number :	MW-7I & 7D
Well Type :	Stratigraphic
WL Symbol :	pl_stratigraphic
Map Symbol :	N/R
Township :	MIAMI
County :	GREENE
Lease Name :	N/R
Operator :	HISTORIC OWNER
Operator Address :	2045 Morse Rd., Bldg F-2 COLUMBUS, OH 43229
Operator Phone :	6148885080
Initial Production Gas :	0
Initial Production Oil :	0
Total Depth :	0
Production Formation 1 :	N/R
Production Formation 2 :	N/R
Deepest Formation :	N/R
Ground Elevation :	1004
Acreage :	0
Slant :	Vertical
BH Latitude :	0
BH Longitude :	0
Latitude :	39.7873017
Longitude :	-83.90234351
Last Date in Agency List :	01/15/2020

Map Id: 2
Direction: NW
Distance: 0.093 mi.
Actual: 489.829 ft.
Elevation: 0.19 mi. / 1002.851 ft.
Relative: Higher

Site Name : 34057600330000
39.78965272, -83.90113808
MIAMI, OH

Database(s) : [OIL & GAS WELLS - OH]

Envirosite ID: 424998845
EPA ID: N/R

OIL & GAS WELLS - OH

API Number :	34057600330000
Permit Issued :	N/R
Completion Date :	N/R
Plug Date :	N/R
Well Number :	MW-4I & 4D
Well Type :	Stratigraphic
WL Symbol :	pl_stratigraphic
Map Symbol :	N/R
Township :	MIAMI
County :	GREENE
Lease Name :	N/R
Operator :	HISTORIC OWNER
Operator Address :	2045 Morse Rd., Bldg F-2 COLUMBUS, OH 43229
Operator Phone :	6148885080

Map Id: 2
Direction: NW
Distance: 0.093 mi.
Actual: 489.829 ft.
Elevation: 0.19 mi. / 1002.851 ft.
Relative: Higher

Site Name : 34057600330000
39.78965272, -83.90113808
MIAMI, OH

Database(s) : [OIL & GAS WELLS - OH] ***(cont.)***

Envirosite ID: 424998845
EPA ID: N/R

OIL & GAS WELLS - OH ***(cont.)***

Initial Production Gas :	0
Initial Production Oil :	0
Total Depth :	0
Production Formation 1 :	N/R
Production Formation 2 :	N/R
Deepest Formation :	N/R
Ground Elevation :	1003
Acreage :	0
Slant :	Vertical
BH Latitude :	0
BH Longitude :	0
Latitude :	39.78965272
Longitude :	-83.90113808
Last Date in Agency List :	01/15/2020

Map Id: 3
Direction: N
Distance: 0.171 mi.
Actual: 904.094 ft.
Elevation: 0.192 mi. / 1015.007 ft.
Relative: Higher

Site Name : 34057600040000
39.79140205, -83.89950405
MIAMI, OH

Database(s) : [OIL & GAS WELLS - OH]

Envirosite ID: 424999750
EPA ID: N/R

OIL & GAS WELLS - OH

API Number :	34057600040000
Permit Issued :	N/R
Completion Date :	02/02/1938
Plug Date :	N/R
Well Number :	1
Well Type :	Oil & Gas
WL Symbol :	dry_oilgas_show
Map Symbol :	Dry hole with oil and gas show
Township :	MIAMI
County :	GREENE
Lease Name :	PETERSON ARCHIE E
Operator :	HISTORIC OWNER
Operator Address :	2045 Morse Rd., Bldg F-2 COLUMBUS, OH 43229
Operator Phone :	6148885080
Initial Production Gas :	1
Initial Production Oil :	2
Total Depth :	1846
Production Formation 1 :	N/R
Production Formation 2 :	N/R
Deepest Formation :	KNOX ""B"" ZONE
Ground Elevation :	1020
Acreage :	0
Slant :	Vertical
BH Latitude :	0
BH Longitude :	0
Latitude :	39.79140205
Longitude :	-83.89950405
Last Date in Agency List :	01/15/2020

Map Id: 4
Direction: SE
Distance: 0.263 mi.
Actual: 1390.569 ft.
Elevation: 0.182 mi. / 960.361 ft.
Relative: Lower

Site Name : TOWER
39.78027778, -83.89277778
YELLOW SPRINGS, OH

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 440718545
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	01/12/2018
Action :	Change
FAA Study Number :	2012AGL04536OE
OBS Number :	39-002151
Obstacle Type :	TOWER
City Name :	YELLOW SPRINGS
State Identifier :	OH
Country Identifier :	US
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00300
Above Mean Sea Level Height (Feet) :	01263
Horizontal Accuracy :	+-50'
Vertical Accuracy :	+-20'
Latitude :	39 46 49.00N
Longitude :	083 53 34.00W

Map Id: 5
Direction: NNW
Distance: 0.556 mi.
Actual: 2936.231 ft.
Elevation: 0.2 mi. / 1054.708 ft.
Relative: Higher

Site Name : TANK
39.79684167, -83.90135833
YELLOW SPRINGS, OH

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 440632057
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	01/08/2019
Action :	Add
FAA Study Number :	2017AGL15920OE
OBS Number :	39-100627
Obstacle Type :	TANK
City Name :	YELLOW SPRINGS
State Identifier :	OH
Country Identifier :	US
Type of Lighting :	None
Verification Status :	Unverified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00102
Above Mean Sea Level Height (Feet) :	01158
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	39 47 48.63N
Longitude :	083 54 04.89W

Map Id: 6
Direction: S
Distance: 0.795 mi.
Actual: 4199.056 ft.
Elevation: 0.17 mi. / 895.846 ft.
Relative: Lower

Site Name : 93905700365030
39.7708333, -83.8972222
OH

Database(s) : [NWIS]

Envirosite ID: 437703533
EPA ID: N/R

NWIS

Site Identification Number :	93905700365030
Site Type :	Aggregate groundwater use
Station Name :	GREENE 00365 Aggregate GW
Agency :	U.S. Geological Survey
District :	Ohio
State :	OH
County :	Greene County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R
Altitude Accuracy :	N/R
Altitude Datum :	N/R
Hydrologic Unit :	Upper Great Miami, Indiana, Ohio
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-other GW Files :	N/R
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Data Begin Date :	N/R
Field Water-Level Data End Date :	N/R
Field Water-Level Data Count :	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	39.77083330
Longitude :	-83.89722220
Last Date in Agency List :	01/17/2020

Map Id: 7
Direction: N
Distance: 0.935 mi.
Actual: 4935.354 ft.
Elevation: 0.194 mi. / 1022.362 ft.
Relative: Higher

Site Name : 34057600350000
39.80242334, -83.90086832
MIAMI, OH

Database(s) : [OIL & GAS WELLS - OH]

Envirosite ID: 424998848
EPA ID: N/R

OIL & GAS WELLS - OH

API Number :	34057600350000
Permit Issued :	N/R
Completion Date :	N/R
Plug Date :	N/R
Well Number :	MW-02-08CS
Well Type :	Stratigraphic
WL Symbol :	pl_stratigraphic
Map Symbol :	N/R
Township :	MIAMI
County :	GREENE
Lease Name :	N/R
Operator :	HISTORIC OWNER
Operator Address :	2045 Morse Rd., Bldg F-2 COLUMBUS, OH 43229
Operator Phone :	6148885080
Initial Production Gas :	0
Initial Production Oil :	0
Total Depth :	0
Production Formation 1 :	N/R
Production Formation 2 :	N/R
Deepest Formation :	N/R
Ground Elevation :	1026
Acreage :	0
Slant :	Vertical
BH Latitude :	0
BH Longitude :	0
Latitude :	39.80242334
Longitude :	-83.90086832
Last Date in Agency List :	01/15/2020

Map Id: 8
Direction: ENE
Distance: 0.935 mi.
Actual: 4938.312 ft.
Elevation: 0.163 mi. / 860.279 ft.
Relative: Lower

Site Name : 394727083523000
39.7908931, -83.8793736
OH

Database(s) : [NWIS]

Envirosite ID: 436890875
EPA ID: N/R

NWIS

Site Identification Number :	394727083523000
Site Type :	Stream
Station Name :	YELLOW SPRINGS CREEK AB WWTP AT E HYDE RD
Agency :	U.S. Geological Survey
District :	Ohio
State :	OH
County :	Greene County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	YELLOW SPRINGS
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	858
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5

Map Id: 8
Direction: ENE
Distance: 0.935 mi.
Actual: 4938.312 ft.
Elevation: 0.163 mi. / 860.279 ft.
Relative: Lower

Site Name : 394727083523000
39.7908931, -83.8793736
OH

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 436890875
EPA ID: N/R

NWIS ***(cont.)***

Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Little Miami
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNANNNNNNNNNNNNNNNNNNNNNNNNN
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	10.9
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	443912900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	07/11/2001
Water-Quality Data End Date :	07/11/2001
Water-Quality Data Count :	4
Field Water-Level Data Begin Date :	--
Field Water-Level Data End Date :	--
Field Water-Level Data Count :	0
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	39.79089310
Longitude :	-83.87937360
Last Date in Agency List :	01/17/2020

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: 45387

NUMBER OF SAMPLE SITES: 2

Area:	Average Activity:	% <4 pCi/L:	% 4-20 pCi/L:	% >20 pCi/L:
first floor	1.25 pCi/L	100%	0%	0%

HIST PWS ENF
Historical Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS
National Water Information Systems
United States Geological Society
(703) 648-5953
Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS
Public Water Supply
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems

PWS ENF
Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems with enforcememnt violations

FLOOD Q3
Flood data
Environmental Protection Agency
(202) 566-1667
Q3 Flood Data

HYDROLOGIC UNIT
Hydrologic Unit Maps
USGS
The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI
National Wetland Inventory
U.S. Fish and Wildlife Service
(703) 358-2171
Wetland Inventory for the United States

SSURGO
Detailed Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
Detailed Soil Data Map

STATSGO & MUI
General Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
General Soil Data Map

USGS GEOLOGIC AGE
USGS Digital Data Series DDS
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

RADON
National Radon Database
USGS
703-605-6008
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

OIL & GAS WELLS - OH
Oil and Gas Well Data
Division of Oil & Gas Resources
614.265.6923
Oil and gas well locations and detail for all 6 districts

AIRPORT FACILITIES
Airport landing facilities
Federal Aviation Administration
(866) 835-5322
Airport landing facilities

BASINS
Better Assessment Science Integrating point & Non-point Sources
U.S. Environmental Protection Agency
855-246-3642
Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE
Obstacles of interest to aviation users
Federal Aviation Administration
855-379-6518
The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS
National Geographical Data Center
National Geographical Data Center
303-497-6826
List of recent and historic earthquakes and information.

FLOOD DFIRM
National Flood Hazard Layer Database
Federal Emergency Management Agency
The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.

APPENDIX B
Aerial Photographs

Historical Aerial Photo Report | 2020

Order Number: 40586
Report Generated: 04/09/2020

Project Name: Struewing Property
Project Number: 23151(1)

Struewing Property
Miami Township
Yellow Springs, OH, 45387

---

2 Corporate Dr
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Historical Aerial Photo Report *2020*

Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

ENVIROSITE SEARCHED SOURCES

SUBJECT PROPERTY:

Struewing Property
Miami Township
Yellow Springs, OH, 45387

YEAR:	***SCALE:***	***SOURCE:***
1948	1" = 1,000'	U.S.G.S
1960	1" = 1,000'	U.S.G.S
1964	1" = 500'	U.S.G.S
1968	1" = 500'	U.S.G.S
1973	1" = 1,000'	U.S.G.S
1975	1" = 1,000'	U.S.G.S
1979	1" = 1,000'	U.S.G.S
1984	1" = 1,000'	NHAP
1989	1" = 1,000'	NAPP
1994	1" = 500'	DOQ
2000	1" = 1,000'	NAPP
2004	1" = 500'	NAIP
2009	1" = 500'	NAIP
2011	1" = 500'	NAIP
2013	1" = 500'	NAIP
2015	1" = 500'	NAIP
2017	1" = 500'	NAIP

FLIGHT YEAR:
1948

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1960

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1964

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1968

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
1973

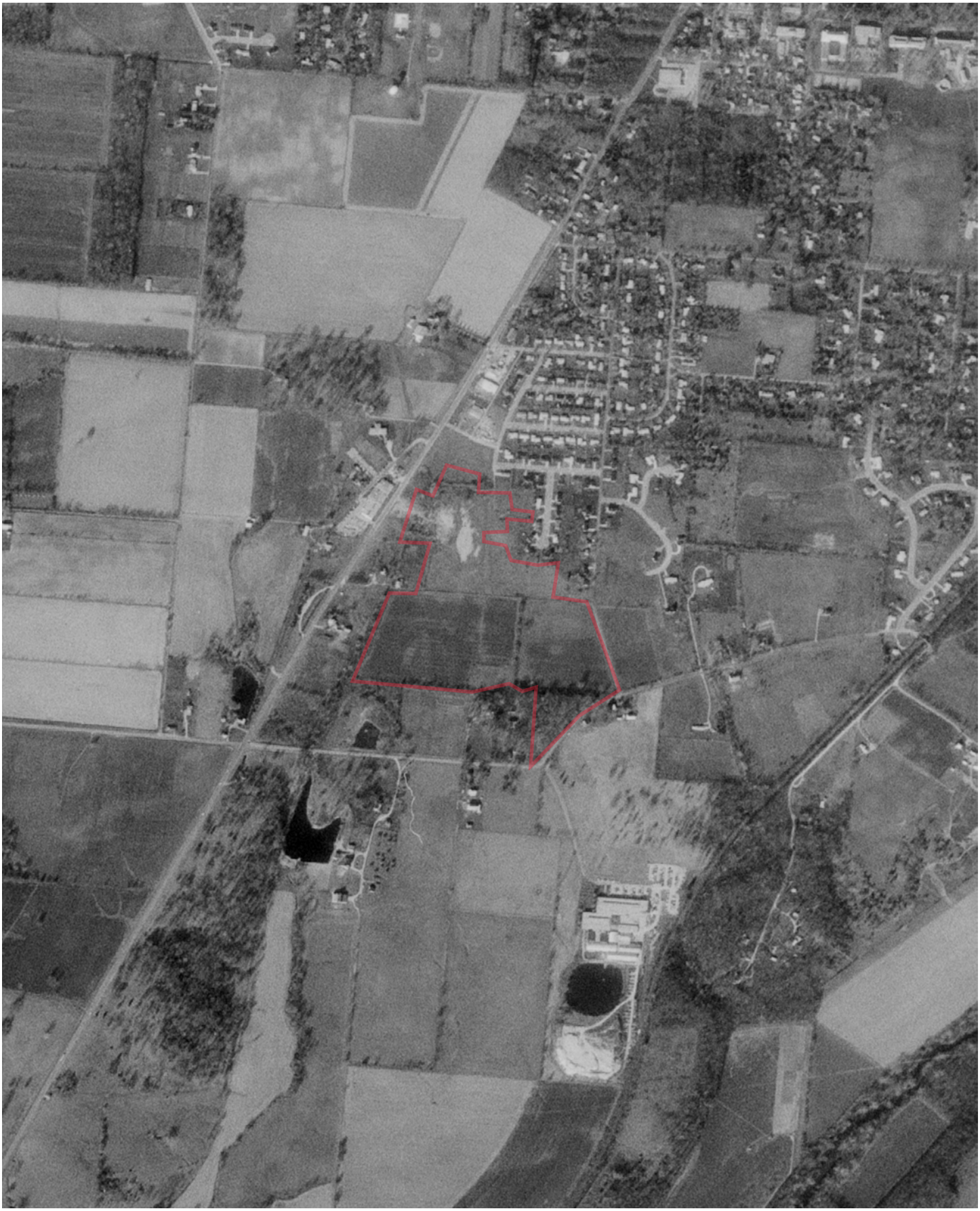
N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1975

N
W E
S

Scale: 1" = 1,000'



FLIGHT YEAR:
1979

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1984

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1989

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
1994

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2000

N
W E
S

Scale: 1" = 1,000'

FLIGHT YEAR:
2004

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2009

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2011

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2013

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2015

N
W E
S

Scale: 1" = 500'

FLIGHT YEAR:
2017

N
W E
S

Scale: 1" = 500'

APPENDIX C
Site Photographs and Descriptions

Photograph #1 – Looking south across the northern portion of the Site

Photograph #2 – Another view of the northern portion of the Site

Photograph #3 – View of the agricultural field on the southcentral portion of the Site looking southeast

Photograph #4 – View of the agricultural field looking west

Photograph #5 – Looking north along Spillan Road

Photograph #6 – Looking south along Spillan Road

Photograph #7 – Old fencing and equipment in the northern portion of the wooded area in the southern portion of the Site

Photograph #8 – Looking east along E. Hyde Road

Photograph #9 – Adjacent property south of E. Hyde Road

Photograph #10 – Old well location on or adjacent to the southcentral portion of the agricultural field

Photograph #11 – Storm sewer pipe on or adjacent to the west central portion of the Site

Photograph #12 – Pole mounted transformers and commercial properties located along and west of the northern portion of the Site

APPENDIX D
Interview Documentation

E1527-13

X3 USER QUESTIONNAIRE

INTRODUCTION

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 40CFR312.25, 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.

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).
Are you aware of any environmental liens against the *property* that are filed or recorded under federal, tribal, state or local law? Yes or No (circle one).

If Yes, please explain.

_____
_____
_____

(2.) Activity and Use Limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any AULs, such as *engineering controls,* land use restrictions or *institutional controls* that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law? Yes or No (circle one).

If Yes, please explain.

_____
_____
_____
_____

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
As the *User* of this *ESA* do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? Yes or No (circle one).

If Yes, please explain.

_____
_____
_____

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? Yes or No (circle one).

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? Yes or No (circle one). Please explain.

_____

_____

(5.) Commonly known or *reasonably ascertainable* information about the property (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the *property*? Yes or No (circle one).
If Yes, please provide.

_____

_____

(b.) Do you know of specific chemicals that are present or once were present at the *property*? Yes or No (circle one).
If Yes, please provide.

_____

_____

(c.) Do you know of spills or other chemical releases that have taken place at the *property*? Yes or No (circle one).
If Yes, please explain.

_____

_____

(d.) Do you know of any environmental cleanups that have taken place at the *property*? Yes or No (circle one).
If Yes, please explain.

_____

_____

(6.) 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 (40 CFR 312.31).

As the *User* of this *ESA*, based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*? Yes or No (circle one).

If Yes, please explain.

_____

_____

_____

X3.1 In addition, certain information should be collected if available, and provided to the *environmental professional* conducting the *Phase I Environmental Site Assessment*. This information is intended to assist the *environmental professional,* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(Please answer the following questions using the lines that immediately follow each.)

(a.) the reason why the Phase I is being performed,

Acquisition & Development

(b.) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.

Purchase

(c.) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),

See Attached.

(d.) the scope of services desired for the Phase I (including whether any parties to the *property* transaction may have required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),

Standard.

(e.) identification of all parties who will rely on the Phase I *report,*

Clover Land Development LLC

(f.) identification of the site contact and how the contact can be reached,

Ken Strawning

(g.) any special terms and conditions which must be agreed upon by the *environmental professional,* and

None

(h.) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment reports,* documents, correspondence, etc., concerning the *property* and its environmental condition).

None.

This questionnaire was completed by:

Name Greg Smith

Address 3445 Newmark Dr.

Email gsmith @ oberer. [illegible]

Phone Number 937-531-55[illegible]

Date 4/2/20

OWNER QUESTIONNAIRE

Please answer to the best of your knowledge

Property Address: Miami Township Corner of Spillan & E Hyde Rd. Yellow Springs, OH

1. Please list previous and current uses of the *property*.

   wooded & tillable acres

2. Are there currently or do you have any prior knowledge of previous registered or unregistered storage tanks (above or underground) located on the *property*?

   Yes (No) Unknown If yes, provide size, contents, & approx. age

3. Are any hazardous substances or petroleum products stored on the *property* or have they been stored in the past?

   Yes (No) Unknown If yes, explain

4. Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste material have been dumped above grade, buried and/or burned on the *property*?

   Yes (No) Unknown If yes, explain

5. Are there currently any active or filled wells or septic tanks on the *property*? If a septic tank is present, please provide approximate age.

   (Yes) No Unknown If yes, explain
   old, inactive well - see Comments
   no septic system known

6. If the *property* is services by a private well or non-public water system, is there evidence or do you have any prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system? Has the well been designated as contaminated by any government environmental/health agency?

   Yes No (Unknown) If yes, explain
   see YSI info

7. Do you have any prior knowledge that the *property* or an *adjoining property* has been used for manufacturing or industrial purposes in the past?

   Yes (No) Unknown If yes, explain

8. Is any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility (if applicable identify which)?

   Yes (No) Unknown If yes, explain

9. Do you have any prior knowledge that the *property* or any *adjoining properties* have been used as any of the above facilities in the past (if applicable identify which)?

   Yes (No) Unknown If yes, explain

10. Are there currently or to the best of your knowledge have there been previously any damaged or discarded automotive or industrial batteries or pesticides, paints or other chemicals in individual containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate stored or used on the *property*?

Yes (No) Unknown If yes, explain

11. Are there currently or to the best of your knowledge have there been previously any industrial drums (typically 55 gal (208L) or sacks of chemicals located on the *property*?

Yes (No) Unknown If yes, explain

12. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought on to the *property* from a contaminated site or from an unknown origin?

Yes (No) Unknown If yes, explain

13. Are there currently or do you have any prior knowledge that there have been previously any *pits, ponds* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?

Yes (No) Unknown If yes, explain

14. Is there currently or do you have any prior knowledge of stained soil on the *property*?

Yes (No) Unknown If yes, explain

15. Do you have any knowledge of *environmental liens* or government notifications relating to past or recurrent violations of environmental laws with respect to the *property*?

Yes No Unknown If yes, explain
See YSF info

16. Do you have knowledge of any environmental site assessment of the *property* that indicated the presence of hazardous substances or petroleum products on the *property* or recommended further assessment of the *property*?

Yes No Unknown If yes, explain
See YSF info

17. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of *PCB*?

Yes (No) Unknown If yes, explain

18. Are vent pipes protruding from the ground at the property or adjacent to any structure located on the *property*?

Yes (No) Unknown If yes, explain

19. Does the *property* discharge waste water, other than storm water, directly to a ditch or stream on or adjacent to the *property*?

Yes (No) Unknown If yes, explain

20. Please provide the approximate age of any buildings present on the *property*. If any structures have previously been located on the *property*, please indicate the approximate location, use of structure, and approximate date of demolition.

Yes No (Unknown) If yes, explain

21. Does the *property* or any buildings located on the *property* contain any *asbestos*?

Yes (No) Unknown If yes, explain

22. Has the *property* or any buildings located on the *property* been tested for *radon*?

Yes (No) Unknown If yes, explain

23. Does the *property* or any buildings located on the *property* contain any *urea-formaldehyde materials*?

Yes (No) Unknown If yes, explain

24. Does the *property* or any buildings located on the *property* contain any *lead-based* paint or *lead* plumbing?

Yes (No) Unknown If yes, explain

25. Have pesticides, herbicides or other agricultural chemicals been stored on, mixed on or applied to the *property*?

Yes No Unknown If yes, explain
agricultur-managed thru lease - likely used

26. Has there ever been any recreational shooting activities on the *property*.

(Yes) No Unknown If yes, explain
seasonal deer bow hunting

27. Please indicate any utility providers for the *property*.

Water Village of Yellow Springs
Sewer Village of Yellow Springs
Gas Vectren
Electric Village of Yellow Springs

Additional Comments

#5. old inactive well located 30-50 ft north of northeast corner of 734 E. Hyde Rd. property possible site of old windmill

#15, 16 - see Yellow Springs Instruments documents

This questionnaire was completed by:

Name Ken and Bethreen Struewing

Address 810 Tanyard Rd
Yellow Springs, Oh

E-Mail Kenand.bethreen@yahoo.com

Phone Number (937) 767-1388 Home 937-239-5927 Ken's cell

Connection to property owners

OWNER QUESTIONNAIRE

Please answer to the best of your knowledge

Property Address: Southgate Ave Yellow Springs, Oh

1. Please list previous and current uses of the *property*.

vacant land

2. Are there currently or do you have any prior knowledge of previous registered or unregistered storage tanks (above or underground) located on the *property*?

Yes (No) Unknown If yes, provide size, contents, & approx. age

3. Are any hazardous substances or petroleum products stored on the *property* or have they been stored in the past?

Yes (No) Unknown If yes, explain

4. Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste material have been dumped above grade, buried and/or burned on the *property*?

Yes (No) Unknown If yes, explain

5. Are there currently any active or filled wells or septic tanks on the *property*? If a septic tank is present, please provide approximate age.

Yes (No) Unknown If yes, explain

6. If the *property* is services by a private well or non-public water system, is there evidence or do you have any prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system? Has the well been designated as contaminated by any government environmental/health agency?

Yes (No) Unknown If yes, explain

7. Do you have any prior knowledge that the *property* or an *adjoining property* has been used for manufacturing or industrial purposes in the past?

Yes (No) Unknown If yes, explain

8. Is any *adjoining property* used as a gas station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility (if applicable identify which)?

Yes (No) Unknown If yes, explain

9. Do you have any prior knowledge that the *property* or any *adjoining properties* have been used as any of the above facilities in the past (if applicable identify which)?

10. Are there currently or to the best of your knowledge have there been previously any damaged or discarded automotive or industrial batteries or pesticides, paints or other chemicals in individual containers of greater than 5 gal (19L) in volume or 50 gal (190L) in the aggregate stored or used on the *property*?

Yes (No) Unknown If yes, explain

11. Are there currently or to the best of your knowledge have there been previously any industrial drums (typically 55 gal (208L) or sacks of chemicals located on the *property*?

Yes (No) Unknown If yes, explain

12. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought on to the *property* from a contaminated site or from an unknown origin?

Yes (No) Unknown If yes, explain

13. Are there currently or do you have any prior knowledge that there have been previously any *pits, ponds* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?

Yes (No) Unknown If yes, explain

14. Is there currently or do you have any prior knowledge of stained soil on the *property*?

Yes (No) Unknown If yes, explain

15. Do you have any knowledge of *environmental liens* or government notifications relating to past or recurrent violations of environmental laws with respect to the *property*?

Yes (No) Unknown If yes, explain

16. Do you have knowledge of any environmental site assessment of the *property* that indicated the presence of hazardous substances or petroleum products on the *property* or recommended further assessment of the *property*?

Yes (No) Unknown If yes, explain

17. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of *PCB*?

Yes (No) Unknown If yes, explain

18. Are vent pipes protruding from the ground at the property or adjacent to any structure located on the *property*?

Yes (No) Unknown If yes, explain

19. Does the *property* discharge waste water, other than storm water, directly to a ditch or stream on or adjacent to the *property*?

Yes (No) Unknown If yes, explain

20. Please provide the approximate age of any buildings present on the *property*. If any structures have previously been located on the *property*, please indicate the approximate location, use of structure, and approximate date of demolition.

Yes No Unknown If yes, explain
No structures

21. Does the *property* or any buildings located on the *property* contain any *asbestos*?

Yes (No) Unknown If yes, explain

22. Has the *property* or any buildings located on the *property* been tested for *radon*?

Yes (No) Unknown If yes, explain
NON applicable

23. Does the *property* or any buildings located on the *property* contain any *urea-formaldehyde materials*?

Yes (No) Unknown If yes, explain

24. Does the *property* or any buildings located on the *property* contain any *lead-based* paint or *lead* plumbing?

Yes (No) Unknown If yes, explain

25. Have pesticides, herbicides or other agricultural chemicals been stored on, mixed on or applied to the *property*?

Yes (No) Unknown If yes, explain

26. Has there ever been any recreational shooting activities on the *property*.

Yes (No) Unknown If yes, explain

27. Please indicate any utility providers for the *property*.

Water Village of Yellow Springs
Sewer " "
Gas Vectren
Electric Village of Yellow Springs

Additional Comments

This questionnaire was completed by:

Name Ken and Bethreen Struewing

Address 8100 Tanyard Rd.
Yellow Springs, OH 45387

E-Mail Kenandbethreen@yahoo.com

Phone Number 937-767-1388 Home 937-239-5927 Ken's cell

Connection to property owners

KILBANE ENVIRONMENTAL

6236A CENTRE PARK DRIVE
CINCINNATI, OHIO 45069
(513) 874-6650 • FAX (513) 554-0394

www.kilbaneenv.com

April 7, 2020

Miami Township Fire-Rescue
225 Corry Street
Yellow Springs, OH 45387
Attn: Fire Chief Colin Altman

RE: Data Request for Environmental Review
Fifteen parcels of undeveloped agricultural/residence land totaling 50.7301 acres
E. Hyde Road, Parcel Number: F160001000100005800, 33.8530 acres
Margaret Drive, Parcel Number: F19000100180001100, 0.3864 acres
Margaret Drive, Parcel Number: F19000100180001200, 0.3864 acres
Margaret Drive, Parcel Number: F19000100180001300, 0.3409 acres
Morgan Hill, Parcel Number: F19000100180002300, 0.6200 acres
Morgan Hill, Parcel Number: F19000100180002400, 0.4388 acres
Morgan Hill, Parcel Number: F19000100180002500, 0.4486 acres
Morgan Hill, Parcel Number: F19000100180002600, 0.4015 acres
Morgan Hill, Parcel Number: F19000100180002700, 0.4444 acres
Morgan Hill, Parcel Number: F19000100180002800, 0.4745 acres
Southgate Avenue, Parcel Number: F19000100180000300, 10.6000 acres
Southgate Avenue, Parcel Number: F19000100180003200, 0.4722 acres
Southgate Avenue, Parcel Number: F19000100180003400, 0.4293 acres
Southgate Avenue, Parcel Number: F19000100180003500, 0.4851 acres
Southgate Avenue, Parcel Number: F19000100060013300, 0.9490 acres

Dear Fire Chief Altman:

This is a request for any environmental/health concerns (such as underground storage tanks, solid waste, chemical use or storage, complaints and any accidents with possible contamination release) associated with the property or surrounding properties located on E. Hyde Road, Margaret Drive, Morgan Hill and Southgate Avenue in Miami Township and Yellow Springs, Greene County, Ohio. The addresses and parcel numbers for the fifteen properties are listed in the table below.

SITE LOCATION					
Map Point	**Street Address**	**City/Township Jurisdiction**	**Zoned**	**Parcel Number**	**Acreage**
1	E. Hyde Road	Miami Township	Agricultural	F16000100100005800	33.8530
2	Margaret Drive	Yellow Springs	Residential	F19000100180001100	0.3864
3	Margaret Drive	Yellow Springs	Residential	F19000100180001200	0.3864
4	Margaret Drive	Yellow Springs	Residential	F19000100180001300	0.3409
5	Morgan Hill	Yellow Springs	Residential	F19000100180002300	0.6200
6	Morgan Hill	Yellow Springs	Residential	F19000100180002400	0.4388
7	Morgan Hill	Yellow Springs	Residential	F19000100180002500	0.4486

Map Point	Street Address	City/Township Jurisdiction	Zoned	Parcel Number	Acreage
8	Morgan Hill	Yellow Springs	Residential	F19000100180002600	0.4015
9	Morgan Hill	Yellow Springs	Residential	F19000100180002700	0.4444
10	Morgan Hill	Yellow Springs	Residential	F19000100180002800	0.4745
11	Southgate Avenue	Yellow Springs	Residential	F19000100180000300	10.6000
12	Southgate Avenue	Yellow Springs	Residential	F19000100180003200	0.4722
13	Southgate Avenue	Yellow Springs	Residential	F19000100180003400	0.4293
14	Southgate Avenue	Yellow Springs	Residential	F19000100180003500	0.4851
15	Southgate Avenue	Yellow Springs	Residential	F19000100060013300	0.9490
				Total Acreage	50.7301

Please fax back any information to 513-554-0394, attention Tom Kilbane. Please refer to Project No: 23151(1) when submitting any information regarding this site. I have attached a map showing the location of the site as a reference.

If you have any questions, please contact me at 513-874-6650, ext. 302, or you can email to: kilbane@kilbaneenv.com. Thank you for your time.

Sincerely,
KILBANE ENVIRONMENTAL

Thomas J. Kilbane, CPG
President

c:/doc/reports/ 23151(1) MiamiTwpFireLtr.doc

SITE LOCATION					
Map Point	**Street Address**	**City/Township Jurisdiction**	**Zoned**	**Parcel Number**	**Acreage**
1	E. Hyde Road	Miami Township	Agricultural/Undeveloped	F16000100100005800	33.8530
2	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001100	0.3864
3	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001200	0.3864
4	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001300	0.3409
5	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002300	0.6200
6	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002400	0.4388
7	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002500	0.4486
8	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002600	0.4015
9	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002700	0.4444
10	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002800	0.4745
11	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180000300	10.6000
12	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003200	0.4722
13	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003400	0.4293
14	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003500	0.4851
15	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100060013300	0.9490
				Total Acreage	50.7301

Kilbane Environmental Project Number: 23151(1)


Quick Search
Xenia Ave
Brookside Dr
Lisa Ln
Miami Dr
Edgefield Dr
Golden Willow Ct
Brannum Ln
68
Spillan Rd
Mercer Ct
Meadow Ln
Orton Rd
Rice Rd
President St
Spring Glen Dr
Glen View Dr
Birch St
Stewart Dr
Southview Dr
E Hyde Rd
Glen Helen Nature Reserve
Scenic Bike Path
15
2
3
4
12
11
13
14
10
5
9
8
7
6
1
1575655.160 656076.219 Feet
1:9,600

KILBANE ENVIRONMENTAL

6236A CENTRE PARK DRIVE
CINCINNATI, OHIO 45069
(513) 874-6650 • FAX (513) 554-0394

www.kilbaneenv.com

April 7, 2020

Greene County Combined Health District
360 Wilson Drive
Xenia, OH 45385
Attn: Ms. Deborah Leopold, RS

RE: Data Request for Environmental Review
Fifteen parcels of undeveloped agricultural/residence land totaling 50.7301 acres
E. Hyde Road, Parcel Number: F160001000100005800, 33.8530 acres
Margaret Drive, Parcel Number: F19000100180001100, 0.3864 acres
Margaret Drive, Parcel Number: F19000100180001200, 0.3864 acres
Margaret Drive, Parcel Number: F19000100180001300, 0.3409 acres
Morgan Hill, Parcel Number: F19000100180002300, 0.6200 acres
Morgan Hill, Parcel Number: F19000100180002400, 0.4388 acres
Morgan Hill, Parcel Number: F19000100180002500, 0.4486 acres
Morgan Hill, Parcel Number: F19000100180002600, 0.4015 acres
Morgan Hill, Parcel Number: F19000100180002700, 0.4444 acres
Morgan Hill, Parcel Number: F19000100180002800, 0.4745 acres
Southgate Avenue, Parcel Number: F19000100180000300, 10.6000 acres
Southgate Avenue, Parcel Number: F19000100180003200, 0.4722 acres
Southgate Avenue, Parcel Number: F19000100180003400, 0.4293 acres
Southgate Avenue, Parcel Number: F19000100180003500, 0.4851 acres
Southgate Avenue, Parcel Number: F19000100060013300, 0.9490 acres

Dear Ms. Leopold:

This is a request for any environmental/health concerns (such as underground storage tanks, solid waste, chemical use or storage, complaints and any accidents with possible contamination release) associated with the property or surrounding properties located on E. Hyde Road, Margaret Drive, Morgan Hill and Southgate Avenue in Miami Township and Yellow Springs, Greene County, Ohio. The addresses and parcel numbers for the fifteen properties are listed in the table below.

SITE LOCATION					
Map Point	**Street Address**	**City/Township Jurisdiction**	**Zoned**	**Parcel Number**	**Acreage**
1	E. Hyde Road	Miami Township	Agricultural	F16000100100005800	33.8530
2	Margaret Drive	Yellow Springs	Residential	F19000100180001100	0.3864
3	Margaret Drive	Yellow Springs	Residential	F19000100180001200	0.3864
4	Margaret Drive	Yellow Springs	Residential	F19000100180001300	0.3409
5	Morgan Hill	Yellow Springs	Residential	F19000100180002300	0.6200
6	Morgan Hill	Yellow Springs	Residential	F19000100180002400	0.4388
7	Morgan Hill	Yellow Springs	Residential	F19000100180002500	0.4486

Map Point	Street Address	City/Township Jurisdiction	Zoned	Parcel Number	Acreage
8	Morgan Hill	Yellow Springs	Residential	F19000100180002600	0.4015
9	Morgan Hill	Yellow Springs	Residential	F19000100180002700	0.4444
10	Morgan Hill	Yellow Springs	Residential	F19000100180002800	0.4745
11	Southgate Avenue	Yellow Springs	Residential	F19000100180000300	10.6000
12	Southgate Avenue	Yellow Springs	Residential	F19000100180003200	0.4722
13	Southgate Avenue	Yellow Springs	Residential	F19000100180003400	0.4293
14	Southgate Avenue	Yellow Springs	Residential	F19000100180003500	0.4851
15	Southgate Avenue	Yellow Springs	Residential	F19000100060013300	0.9490
				Total Acreage	50.7301

Please fax back any information to 513-554-0394, attention Tom Kilbane. Please refer to Project No: 23151(1) when submitting any information regarding this site. I have attached a map showing the location of the site as a reference.

If you have any questions, please contact me at 513-874-6650, ext. 302, or you can email to: kilbane@kilbaneenv.com. Thank you for your time.

Sincerely,
KILBANE ENVIRONMENTAL

Thomas J. Kilbane, CPG
President

c:/doc/reports/ 23151(1) Greene County HD Ltr.doc

SITE LOCATION					
Map Point	**Street Address**	**City/Township Jurisdiction**	**Zoned**	**Parcel Number**	**Acreage**
1	E. Hyde Road	Miami Township	Agricultural/Undeveloped	F16000100100005800	33.8530
2	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001100	0.3864
3	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001200	0.3864
4	Margaret Drive	Yellow Springs	Residential/Undeveloped	F19000100180001300	0.3409
5	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002300	0.6200
6	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002400	0.4388
7	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002500	0.4486
8	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002600	0.4015
9	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002700	0.4444
10	Morgan Hill	Yellow Springs	Residential/Undeveloped	F19000100180002800	0.4745
11	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180000300	10.6000
12	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003200	0.4722
13	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003400	0.4293
14	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100180003500	0.4851
15	Southgate Avenue	Yellow Springs	Residential/Undeveloped	F19000100060013300	0.9490
				Total Acreage	50.7301

Kilbane Environmental Project Number: 23151(1)


Quick Search
Xenia Ave
Brookside Dr
Lisa Ln
Miami Dr
Edgefield Dr
Golden Willow Ct
Brannum Ln
68
Spillan Rd
Mercer Ct
Meadow Ln
Orton Rd
Rice Rd
President St
Spring Glen Dr
Glen View Dr
Birch St
Stewart Dr
Southview Dr
E Hyde Rd
Glen Helen Nature Reserve
Scenic Bike Path
15
2
3
4
12
11
13
14
10
5
9
8
7
6
1
1575655.160 656076.219 Feet
1:9,600

APPENDIX E
Qualifications of Environmental Professionals

Thomas J. Kilbane, CPG – President

Summary of Capabilities

- Project Management
- Phase I/Phase II Environmental Site Assessments
- Underground Storage Tank (UST) Assessments, Remediation Services, Removals, and Closures
- Soil and Groundwater Contamination Assessments
- Environmental Audits
- Wetlands Reconnaissance, Delineation, Permitting and Mitigations
- Asbestos Surveys and Management Plans

Education

- B.S. Geology, Wright State University, 1986

Professional Registrations/Affiliations

- Certified Professional Geologist, AIPG 2002, CPG-10679
- Professional Geologist, Tennessee, since 1995, TN 3691
- Certified Asbestos Hazard Evaluation Specialist, Ohio and Kentucky since 1993

Professional Memberships

- Member National Groundwater Association
- Full Member American Industrial Hygiene Association
- Member American Indoor Air Quality Council

Health and Safety Training

- 40-hrs. Hazardous Materials Incident Response Operations, USEPA
- 8-hrs. Supervisors HAZMAT Training

Professional Capabilities

Mr. Kilbane has more than 25 years of experience providing geological and environmental services to industry and governmental agencies on a variety of projects. These projects have included site investigations, environmental audits, wetlands permitting and mitigations, asbestos surveys and management plans, underground storage tank management, remediation and operation and maintenance. Reporting has included proposal and report preparation for audits, site investigations, work plans, RCRA and CERCLA reports. All Phase I and II Environmental Site Assessments are performed in general accordance with ASTM and AAI guidelines, and to meet client and lender specific requirements.

Mr. Kilbane is also responsible for business development and client relations. In this role he markets existing services and develops and markets new services including all levels of client contacts.

Select Project Experience

- Management and technical oversight for over 50 underground storage tanks, closures, investigations, and remediations in Ohio, Indiana and Kentucky.

- Final review and reporting for five part environmental assessment at DOE's Miamisburg Mound Plant. $775,000 investigation covered various areas of Operating Unit OU-2.

- Managed several wetland reconnaissance and delineation projects throughout Ohio and Kentucky. In addition, prepared and provided oversight for the creation of several wetlands from 0.75 to 4 acres in size.

- Manager for a VOC remediation under DOE's Interim Response Actions for impacted soil in Mounds B-Building courtyard. Remediation included the installation of a soil vapor extraction system to remove the VOCs.

- Managed a site investigation and asbestos survey of a ceramics manufacturer in northeast Ohio. The project investigated included two lagoons, and numerous buried disposal areas.

- Managed and performed an environmental audit and site investigation at two facilities of an automotive parts manufacturer. Investigation included sampling over 20 borings, 15 PCB wipe samples and numerous paint chip samples.

- Ohio coordinator and primary proposal author for site investigations at 42 sites nationwide. Primary contact with client in identifying the scope of the project and developing the work plan and field sampling plan. Directly managed investigation activities at eight facilities in Indiana, Kentucky, Ohio, Pennsylvania, and West Virginia.

- Managed and provided oversight for a RCRA closure related to a release of spent trichloroethene. Project included defining the extent of contamination, excavation of impacted soils and proper disposal at a permitted hazardous waste landfill.

- Managed the completion of a large site investigation and remediation project for a major airline. Remedial activities included thermal treatment of excavated soils.

- Assembled data from field investigations and prepared a CERCLA Interim Measures Work Plan for a former textile dye facility in Virginia. The work plan included surface soils impacted with high lead concentrations, discolored soil associated with metals, a landfill, a building demolition, and storm water control.

- Task manager for a SVE remedial system used to remediate VOC impacted soils. The system successfully remediated over 90 percent of the reported VOCs in the remedial area

Select Project Experience, cont..,

- Assisted in the preparation of various CERCLA RI/FS documents for a former tar product facility. Documents prepared included work plan, field sampling plan, and QAPP.

- Coordinated and performed O&M activities for two CERCLA sites in Kentucky. One site contains a groundwater pump and treat system that includes reinjection of the groundwater. The other site pumps groundwater into a 25,000-gallon holding tank for off-site disposal.

- Various environmental audits have been performed for clients such as Aetna, the U.S. Postal Service, and various financial institutions.

- Management and performance of numerous asbestos surveys in Ohio and Kentucky. One project included collected samples of refractory by coring through an electric furnace at an operating steel mill.

Professional Experience

- President, Kilbane Environmental, Inc., 05/2001 to present

- Environmental Manager, Alt & Witzig Engineering, Inc., 01/1996 to 05/2001

- Project Manager, ICF Kaiser Engineers, Inc., 08/1994 to 10/1995

- Project Manager, Dames & Moore, Inc., 03/1992 to 08/1994

- Environmental Scientist, State of Ohio, BUSTR, 10/1990 to 03/1992

- Project Manager/Cartographer, Department of Defense, 01/1987 to 10/1990