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Preliminary Site Investigation

MACOMB SAFE ROUTES TO SCHOOL PROJECT MACOMB, McDONOUGH COUNTY, ILLINOIS

December 26, 2019
File No. 81.0220656.00



PREPARED FOR:

City of Macomb
232 E. Jackson Street
Macomb, Illinois 61455

Huff & Huff, A Subsidiary of GZA

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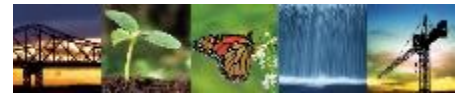
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December 26, 2019
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Mr. Scott Coker
City Administrator
City of Macomb
232 E. Jackson Street
Macomb, Illinois 61455

Re: Preliminary Site Investigation – Macomb Safe Routes to School Project
Macomb, McDonough County, Illinois
81.0220656.00

Dear Mr. Coker,

Huff & Huff, Inc., a subsidiary of GZA GeoEnvironmental, Inc. (H&H) is pleased to submit this *Preliminary Site Investigation* (PSI) for the proposed improvements to the proposed project area located adjacent to the east of the MacArthur Early Childhood Center, extending south approximately 160 feet from W. Grant Street and approximately 90 feet in an east-west direction (Project Corridor).

The scope and depth of this study are consistent with those proposed and accepted by the City of Macomb. The field observations and results reported herein are considered sufficient in detail and scope to form an informed and professional opinion as to the obvious potential environmental hazards along the Project Corridor. A *Preliminary Environmental Site Assessment* (PESA) for the Project Corridor was previously conducted in November 2019. The PESA identified five (5) sites as being potentially impacted properties (PIPs) and/or having recognized environmental conditions (RECs), two (2) of which (KEG Site ID 14 and KEG Site ID 15) have been identified in areas of planned excavation. The two (2) PIPs/RECs were investigated during drilling activities on December 5th, 2019. Soil borings were advanced at two (2) locations to assess Project Corridor soils for construction worker safety and disposal considerations.

Parameters of concern were selected based on this information and include one or more of the following: volatile organic compounds (VOCs); polynuclear aromatic compounds (PNAs), a sub-set of the semi-volatile organic list; pesticides; herbicides; and total RCRA metals. Samples were also analyzed for soil pH using laboratory analysis to assess CCDD suitability of Project Corridor soils.

Sample SB-S (1-2) had detections of benzo(a)anthracene that exceeded the MAC for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties. Sample SB-S (1-2) had detections of benzo(b)fluoranthene that exceeded the MAC for CCDD disposal outside a populated area and populated areas within non-MSA Counties. Concentrations of several additional PNA concentrations were detected in soil sample SB-S (1-2) below their respective MAC values. The detections of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC values for CCDD disposal outside a populated area and populated areas within non-MSA Counties will preclude



soils generated from this area for reuse. The remaining samples had PNA concentrations below the detection limits, achieving the Tier 1 ROs and the MACs for CCDD disposal.

Based on detections of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC in the soil at SB-S (1-2), an exclusion zone has been established around the boring location. The soil generated from the boring SB-S (1-2) is **NOT** certified for CCDD disposal but must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill certified for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties and must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill or disposed of at a CCDD facility within an MSA county excluding Chicago.

The CCDD exclusion zone for the Macomb Safe Routes to School Project is depicted on Figure 4-1. Based on concentrations of benzo(a)anthracene and benzo(b)fluoranthene that exceeded their respective MACs in the soil at SB-S (1-2), exclusion zones have been established around this boring location. The soil generated from this boring are **NOT** certified for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties and must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill or disposed of at a CCDD facility within an MSA county excluding Chicago. The CCDD exclusion zone is depicted on Figure 4-1. *Soils within the areas characterized by SB-2 (1-2) are considered to be (a)(4) soils per Article 669.05 of IDOT Standard Specifications for Road and Bridge Construction, which must be managed and disposed of off-site as non-special waste or special waste or disposed at a CCDD facility within an MSA county excluding Chicago.*

Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.

CCDD Exclusion Areas:

- **SB-S (0-2 feet bgs):** SB-S (1-2) exceeded MACs for benzo(a)anthracene and benzo(b)fluoranthene. The area is defined as from the midpoint between boring SB-N and SB-S, located 120 feet south of the centerline of W. Grant Street and extending approximately 65 feet south to the southern extent of the Project Area. The exclusion zone includes the entire width of the Project Area. *These soils are considered to be 669.05 (a)(4) soils.*

Soils from the remainder of the Project Corridor are considered to be uncontaminated soil and are eligible for reuse onsite or disposed of at a CCDD facility. The CCDD regulations require completion of Uncontaminated Soil Certification by Licensed Professional Engineer or Geologist (LPC-663) prior to placement of soils at either a CCDD or soil-only facility, in cases where PIPs have been identified. PIPs have been identified along the entire Project Corridor, making an LPC-663 necessary for this project. A blank LPC-663 Form is included in Appendix E.



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Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.

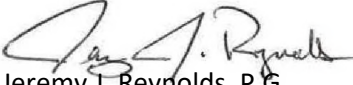
If you have any questions or comments, please don’t hesitate to contact us at 630-684-9100.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.


Adam Kittler, P.G.
Geologist


Shane Cuplin, P.G.
Senior Project Manager


Jeremy J. Reynolds, P.G.
Associate Principal

Attachments: Macomb Safe Routes to School Project PSI Report



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GLOSSARY OF ACRONYMS

ACM	Asbestos-Containing Material	NFR	No Further Remediation
ASTM	ASTM International	NPMS	National Pipeline Mapping System
bgs	below ground surface	PCB	Polychlorinated Biphenyls (PCBs)
BDE	Bureau of Design and Environment	PESA	Preliminary Environmental Site Assessment
BLRS	Bureau of Local Roads and Streets	PGA	Peak Ground Acceleration
BTEX	Benzene, Toluene, Ethylbenzene, and total Xylenes	PID	Photoionization Detector
CCDD	Clean Construction or Demolition Debris	PIP	Potentially Impacted Property
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System	PNA	Polynuclear Aromatic Hydrocarbons
COC	Contaminant of Concern	PSI	Preliminary Site Investigation
CWA	Clean Water Act	RCRA	Resource Conservation and Recovery Act
ERIS	Environmental Risk Information Services	REC	Recognized Environmental Condition
FEMA	Federal Emergency Management Agency	RO	Remedial Objective
FOIA	Freedom of Information Act	ROW	Right-of-Way
IAC	Illinois Administrative Code	SPILLS	Spills and Incidences
IDOT	Illinois Department of Transportation	SQG	Small Quantity Generator
IEMA	Illinois Emergency Management Agency	SVOC	Semi-Volatile Organic Compound
IEPA	Illinois Environmental Protection Agency	USEPA	United States Environmental Protection Agency
ISGS	Illinois State Geological Survey	USGS	United States Geological Survey
LUST	Leaking Underground Storage Tank	UST	Underground Storage Tank
MAC	Maximum Allowable Concentration	VOC	Volatile Organic Compound
NIPC	Northeast Illinois Planning Commission	WWTP	Wastewater Treatment Plant



EXECUTIVE SUMMARY

This *Preliminary Site Investigation* (PSI) pertains to the proposed improvements within proposed project area located adjacent to the east of the MacArthur Early Childhood Center, extending south approximately 160 feet from W. Grant Street and approximately 90 feet in an east-west direction (Project Corridor). The improvements are proposed within the project area located adjacent to the east of the MacArthur Early Childhood Center, extending south approximately 160 feet from W. Grant Street and approximately 90 feet in an east-west direction. The planned improvements include the excavation for stair and ramp improvements for the elementary school. The maximum depth of excavation is currently unknown but is anticipated to be between 2 and 8 feet below ground surface (bgs).

A *Preliminary Environmental Site Assessment* (PESA) for the Project Corridor was previously conducted in November 2019. The PESA identified five (5) sites as being PIPs and/or recognized environmental conditions (RECs), two (2) of which (KEG Site ID 14 and KEG Site ID 15) have been identified in areas of planned excavation. The two (2) PIPs/RECs were investigated during drilling activities on December 5th, 2019. Soil borings were advanced at two (2) locations to assess Project Corridor soils for construction worker safety and disposal considerations.

Table ES-1 Summary of Sites Determined to be PIPs

KEG Site ID	Site Name	Reason(s)
8	Residence	CDL; likely pesticide and/or herbicide use; potential lead paint
10	Greenview Estates Mobile Park	BOL; likely pesticide and/or herbicide use; potential lead paint
13	Macomb High School	Asbestos, BOL, RCRA-SQG, FINDS, ECHO; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use
14	MacArthur Early Childhood Center	UST; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use
15	Macomb Armory	UST, RCRA-VSQG; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use

A PSI was conducted to assess the Project Corridor for the contaminants of concern associated with the potential impacted/REC sites. As soil excavation activities will be conducted during the construction phase of the project, this report also addresses soil disposal considerations.

Two (2) soil borings were advanced to maximum depths of depths ranging from approximately four (4) feet bgs to eight (8) feet bgs, corresponding to the maximum anticipated depth of the planned and/or potential improvements. The current guidance for determining the ability to dispose of materials as clean construction or demolition debris (CCDD) is through comparison of soil sample analytical results to the Maximum Allowable Concentrations (MACs) of chemical constituents in uncontaminated soil used as fill material. There is also a soil pH requirement (between 6.25 and 9.0).

Parameters of concern were selected based on this information and include one or more of the following: volatile organic compounds (VOCs); polynuclear aromatic compounds (PNAs); pesticides; herbicides; and total RCRA metals. Samples were also analyzed for soil pH using laboratory analysis to assess CCDD suitability of Project Corridor soils.



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Two samples were submitted for soil pH analysis and are considered representative of the Project Corridor. The pH results ranged from 7.36 to 7.77, within the acceptable 6.25 to 9.00 range. Therefore, soils from this Project Corridor are considered to achieve the CCDD soil pH criteria.

The VOC results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.

Sample SB-S (1-2) contained benzo(a)anthracene at a concentration that exceeded the MAC for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties. Sample SB-S (1-2) contained benzo(b)fluoranthene at a concentration that exceeded the MAC for CCDD disposal outside a populated area and populated areas within non-MSA Counties. Concentrations of several additional PNA concentrations were detected in soil sample SB-S (1-2) below their respective MAC values. The detections of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC values for CCDD disposal outside a populated area and populated areas within non-MSA Counties will preclude soils generated from this area for reuse. The remaining samples had PNA concentrations below the detection limits, achieving the Tier 1 ROs and the MACs for CCDD disposal.

The total RCRA metals results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.

The pesticide and herbicide results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.

Based on concentrations of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC in the soil at SB-S (1-2), an exclusion zone has been established around the boring location. Based on the location of the project area within McDonough County, the soil generated from the boring SB-S (1-2) is **NOT** certified for CCDD disposal but must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill.

The CCDD exclusion zone for the Macomb Safe Routes to School Project is depicted on Figure 4-1. Based on concentrations of benzo(a)anthracene and benzo(b)fluoranthene that exceeded their respective MACs in the soil at SB-S (1-2), exclusion zones have been established around this boring location. The soil generated from this boring are **NOT** certified for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties and must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill or disposed of at a CCDD facility within an MSA county excluding Chicago. The CCDD exclusion zone is depicted on Figure 4-1. *Soils within the areas characterized by SB-2 (1-2) are considered to be (a)(4) soils per Article 669.05 of IDOT Standard Specifications for Road and Bridge Construction, which must be managed and disposed of off-site as non-special waste or special waste or disposed at a CCDD facility within an MSA county excluding Chicago.*

Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.



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CCDD Exclusion Areas:

- **SB-S (0-2 feet bgs):** SB-S (1-2) exceeded MACs for benzo(a)anthracene and benzo(b)fluoranthene. The area is defined as from the midpoint between boring SB-N and SB-S, located 120 feet south of the centerline of W. Grant Street and extending approximately 65 feet south to the southern extent of the Project Area. The exclusion zone includes the entire width of the Project Area. *These soils are considered to be 669.05 (a)(4) soils.*

Soils from the remainder of the Project Corridor are considered to be uncontaminated soil and are eligible for reuse or disposed of at a CCDD facility. The CCDD regulations require completion of Uncontaminated Soil Certification by Licensed Professional Engineer or Geologist (LPC-663) prior to placement of soils at either a CCDD or soil-only facility, in cases where PIPs have been identified. PIPs have been identified along the entire Project Corridor, making an LPC-663 necessary for this project. A blank LPC-663 Form is included in Appendix E.

Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.



1.0 INTRODUCTION

1.1 SCOPE OF ASSESSMENT

Huff & Huff, Inc., a subsidiary of GZA GeoEnvironmental, Inc. (H&H) completed this *Preliminary Site Investigation* (PSI) for the City of Macomb to identify man-made hazards that may be encountered within the proposed project area located adjacent to the east of the MacArthur Early Childhood Center, extending south approximately 160 feet from W. Grant Street and approximately 90 feet in an east-west direction (Project Corridor).

Based on the findings of the November 2019 *Preliminary Environmental Site Assessment* (PESA), two (2) soil borings were advanced for this *Preliminary Site Investigation Report* (PSI) to assess Project Corridor soils for construction worker safety and disposal considerations. The results were also used as to compare the constituent concentrations to the Tier 1 ingestion and inhalation exposure pathways for the residential and industrial/commercial population as well as the soil component of groundwater ingestion.

The specific methods used to prepare the assessment are contained in the following:

- A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects (Erdmann et al., 2012)
- ASTM International Standard E 1527-13
- The IDOT BDE Manual, Chapter 27, Section 27-3 - *Special Waste Procedures*, and any subsequent revisions.
- IDOT's Bureau of Local Roads and Streets (BLRS) Manual, Chapter 20-12, Special Waste, July 2013.
- Public Act 96-1416
- Clean Construction or Demolition Debris Fill Operations and Uncontaminated Soil Fill
- Operations: Amendments to 35 Illinois Administrative Code 1100. Effective on August 27, 2012.
- IDOT Standard Specifications for Road and Bridge Construction, Article 669.05.

ASTM Standard E 1527-13 uses the term Recognized Environmental Condition (REC) to assess risk. ASTM specifically defines REC as "the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a property: (1) due to any *release* to the *environment*; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*."

Part 1100, 35 Illinois Administrative Code (IAC) has adopted the term Potentially Impacted Property (PIP) when assigning risk to sites. The PIP sites are essentially the same as REC sites as defined by ASTM Standard E 1527-13. Based on the establishment of PIP as the industry standard for describing sites at which special waste management issues may be associated, this report uses the term "PIP" to describe sites presenting environmental concern to the Project Corridor.



Since the proposed scope of this project includes soil excavation activities, soil disposal is anticipated to be a concern as the project progresses. The assessment included collection of soil samples along the Project Corridor to assess soil quality with respect to construction worker safety and soil disposal requirements. Soil sample analytical results are compared to Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) standards for soil and groundwater exposure, as well as Maximum Allowable Concentrations (MACs) of chemical constituents and pH in uncontaminated soil for Clean Construction or Demolition Debris (CCDD) disposal.

1.2 SCOPE OF IMPROVEMENTS

The improvements are proposed within the project area located adjacent to the east of the MacArthur Early Childhood Center, extending south approximately 160 feet from W. Grant Street and approximately 90 feet in an east-west direction (Project Corridor). The planned improvements include the excavation for stair and ramp improvements for the elementary school. The maximum depth of excavation is currently unknown but is anticipated to be between 2 and 8 feet below ground surface (bgs).

Refer to Figure 1-1 for the Project Location Map and to Figure 1-2 for a depiction of the Project Corridor.

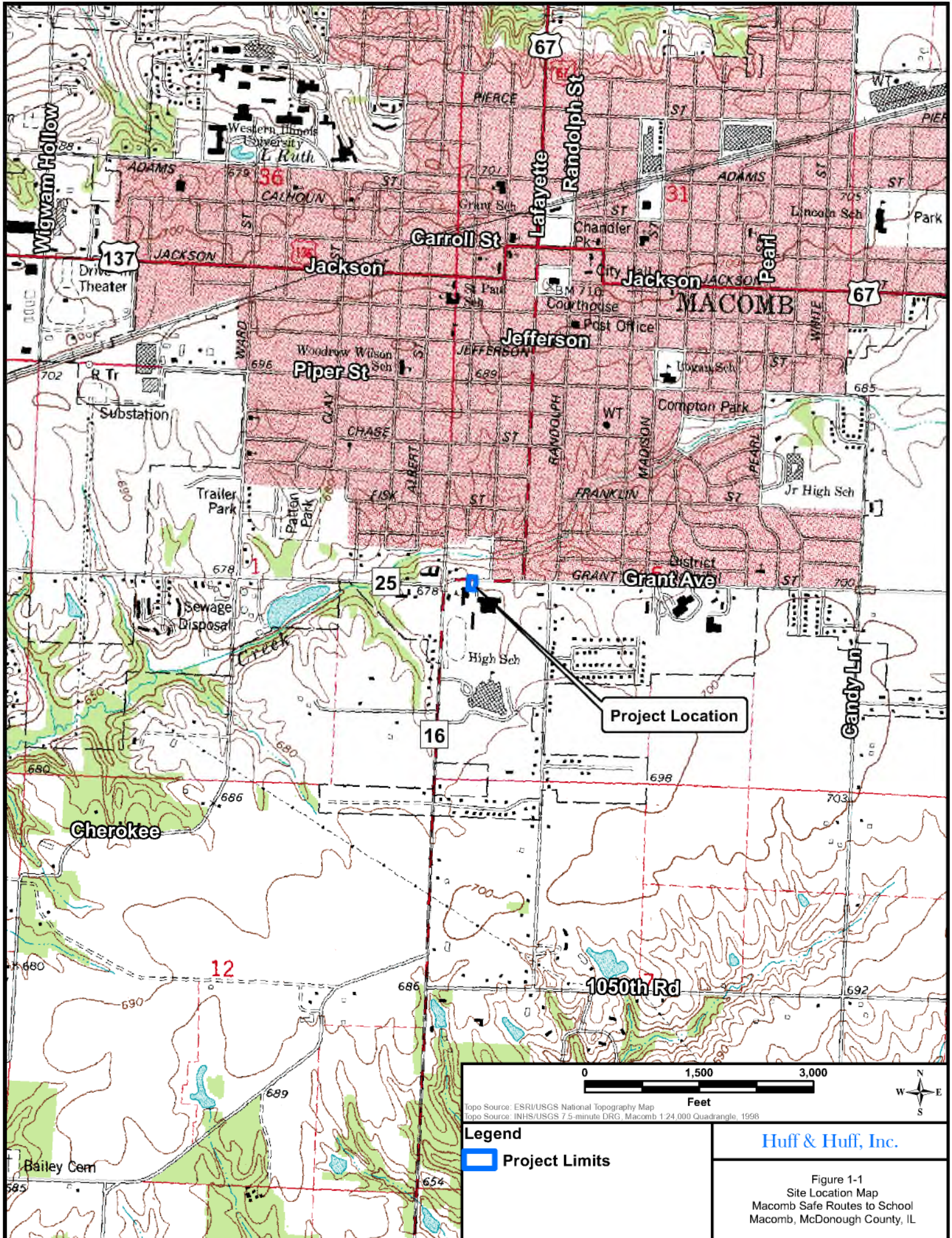
1.3 SUMMARY OF PREVIOUS ASSESSMENTS

A PESA for the Project Corridor was conducted by Kaskaskia Engineering Group, LLC (KEG), (November 2019) which identified five (5) PIPs. The Project Corridor included in the November 2019 PESA included limits extending along an approximately one-mile segment of Johnson Street, Wets Grant Street, and McArthur Street.

Table 1-1 November 2019 PESA Sites Identified to be PIPs

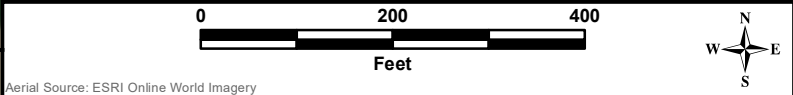
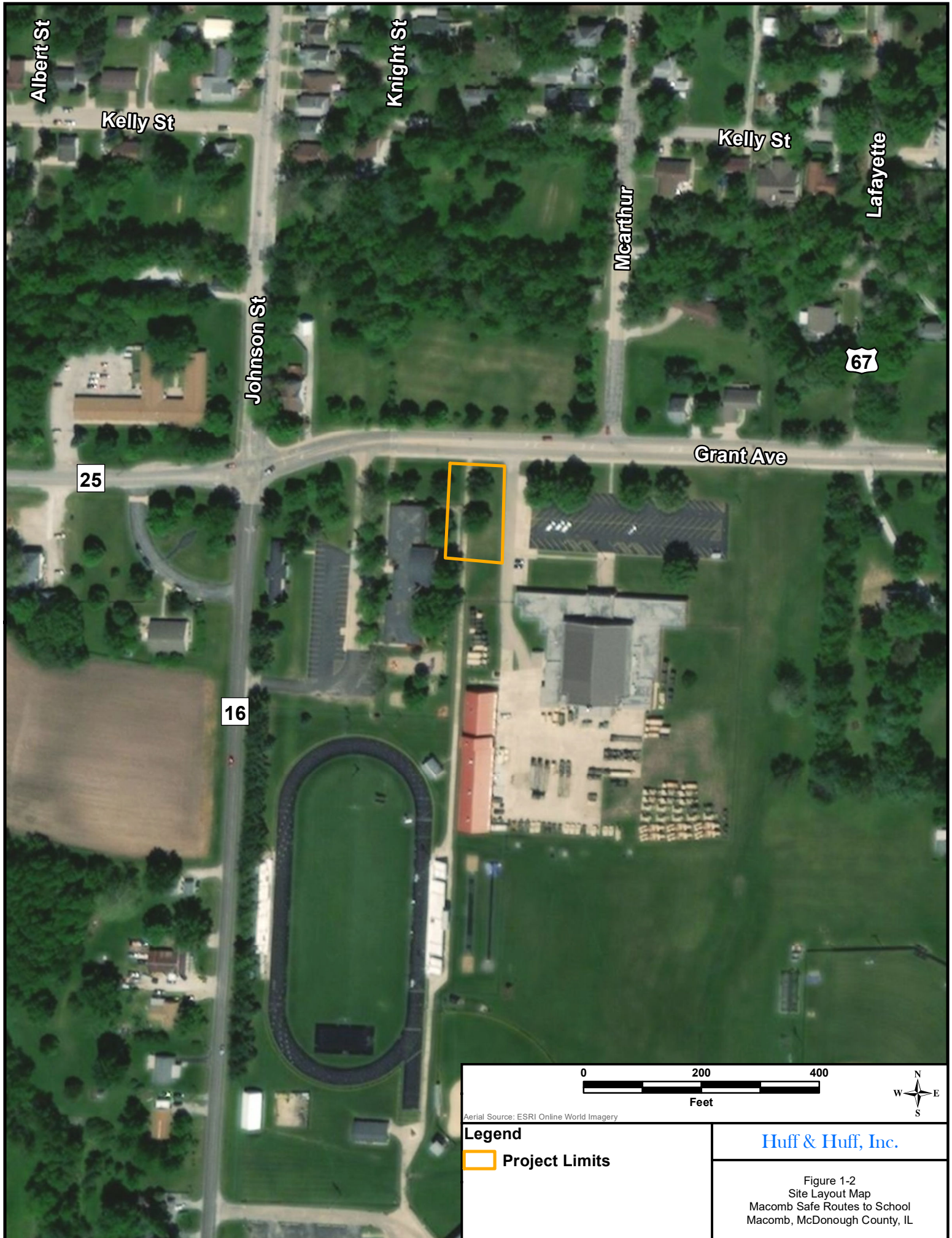
KEG Site ID	Site Name	Reason(s)
8	Residence	CDL; likely pesticide and/or herbicide use; potential lead paint
10	Greenview Estates Mobile Park	BOL; likely pesticide and/or herbicide use; potential lead paint
13	Macomb High School	Asbestos, BOL, RCRA-SQG, FINDS, ECHO; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use
14	MacArthur Early Childhood Center	UST; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use
15	Macomb Armory	UST, RCRA-VSQQ; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use

Refer to Figure 1-3 for the Potentially Impacted Properties Map.




Huff & Huff, Inc.

Figure 1-1
 Site Location Map
 Macomb Safe Routes to School
 Macomb, McDonough County, IL

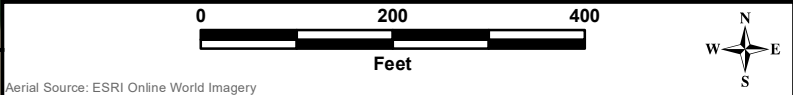


Aerial Source: ESRI Online World Imagery

Legend	
	Project Limits

Huff & Huff, Inc.

Figure 1-2
 Site Layout Map
 Macomb Safe Routes to School
 Macomb, McDonough County, IL



Aerial Source: ESRI Online World Imagery

Legend	
	Project Limits
	PIP

Huff & Huff, Inc.

Figure 1-3
Potentially Impacted Properties Map
Macomb Safe Routes to School
Macomb, McDonough County, IL

Site ID	Address	Status
14	235 W. Grant Street	PIP
15	135 W. Grant Street	PIP



2.0 SUBSURFACE INVESTIGATION

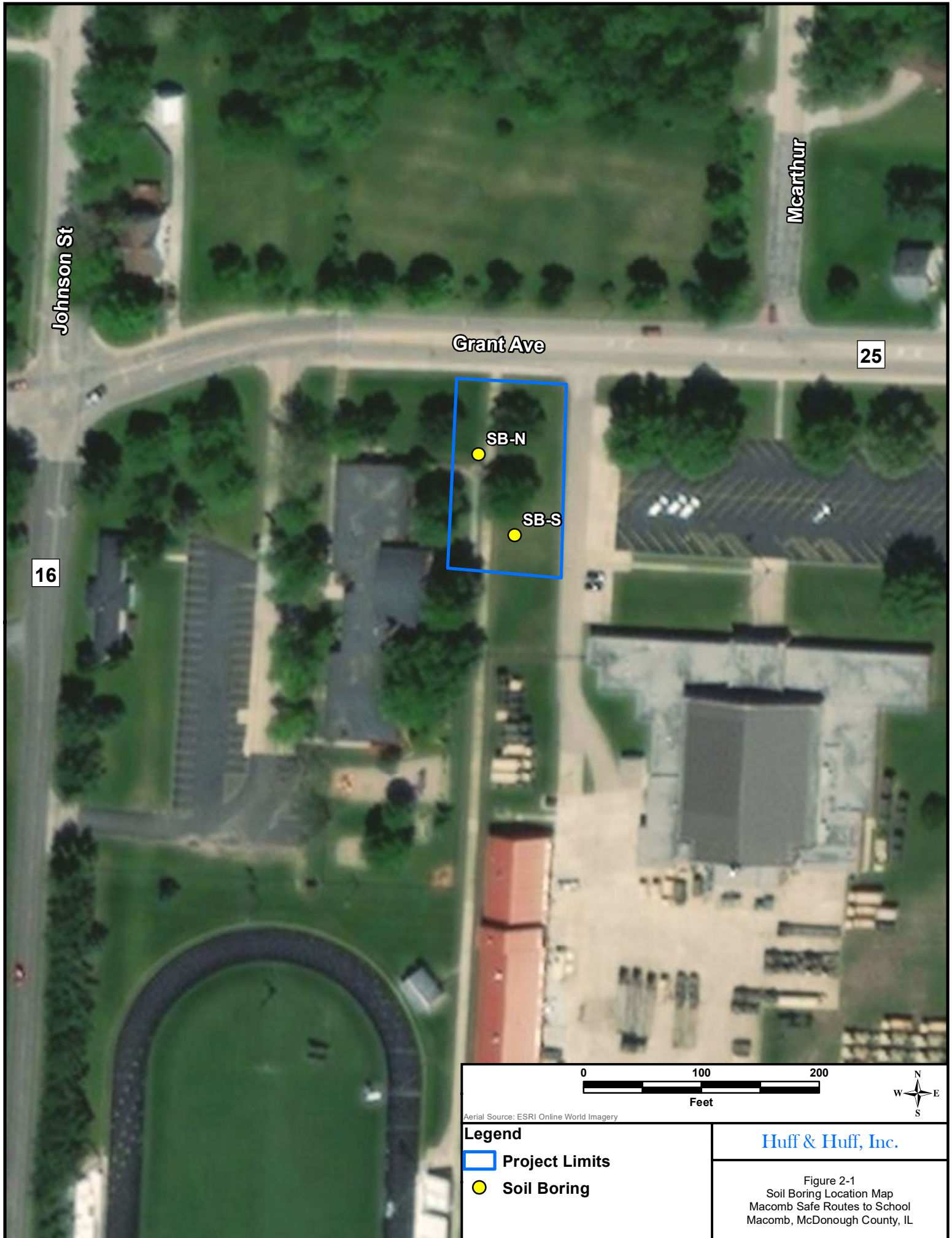
Soil excavation is planned in the vicinity of KEG Site ID 14 and KEG Site ID 15. Soil sampling was performed at these two (2) locations on December 5th, 2019 as depicted on Figure 2-1. The subsurface investigation was designed to characterize potential impacts associated with the PIPs/RECs, as well as to characterize the soils for future management. Soil boring locations were based on the PIP/REC locations and to best represent the Project Corridor from a soil management perspective. The Project Corridor limits of the 2019 PESA were reduced to correspond with areas of excavation and include a portion adjacent to the school and armory, as depicted in Figure 2-1. The following sections present the procedures and findings for the soil sampling activities performed along the Project Corridor.

2.1 SAMPLING METHODOLOGY

On December 5th, 2019, Environmental Soil Probing (ESP) and H&H, completed soil borings and collected soil samples within the Project Corridor at two (2) locations. One soil boring was completed with a truck-mounted GeoProbe and one soil boring was completed with a 2-inch hand auger. Borings were advanced to a depth of approximately four (4) to eight (8) feet below ground surface (bgs) to reflect the anticipated depth of excavation for the proposed safe routes to school project. Samples were collected continuously to terminal depth. Samples were screened both visually and with a photo-ionization detector (PID) for possible signs of soil contamination.

2.2 PARAMETERS OF CONCERN

The PIPs were identified as being associated with UST listings (heating oil, gasoline, and ultra-low sulfur diesel) and a RCRA listing for hazardous waste. Parameters of concern were selected based on this information and include one or more of the following: volatile organic compounds (VOCs); polynuclear aromatic compounds (PNAs), a sub-set of the semi-volatile organic list; pesticides; herbicides; and total RCRA metals. Samples were also analyzed for soil pH using laboratory analysis to assess CCDD suitability of Project Corridor soils.



Aerial Source: ESRI Online World Imagery

Legend	
	Project Limits
●	Soil Boring

Huff & Huff, Inc.

Figure 2-1
Soil Boring Location Map
Macomb Safe Routes to School
Macomb, McDonough County, IL



2.3 PHOTOIONIZATION DETECTOR (PID) SCREENING RESULTS

Field screening with a PID (10.6 eV) provided information regarding the potential presence of VOC-based contamination in the soil and was utilized when determining which samples to submit for laboratory analyses. Field PID screening values are provided in Table 2-1. Appendix C contains the PID screening methodology and boring logs.

Table 2-1 PID Screening Summary

Soil Boring	Depth, ft	PID Reading, ppm
SB-N	0-1'	0.0
	1-3'	0.0
	3-5'	0.0
	5-7'	0.0
	7-8'	0.0
SB-S	0-1'	0.0
	1-2'	0.0
	2-3'	0.0
	3-4'	0.0

Bold indicates sample submitted for analytical testing.

2.4 SOIL SAMPLE HANDLING

The Geoprobe unit uses disposable plastic sleeves inside of a metal macrocore sampler, which is driven into the ground with hydraulic percussion. Samples pass through the end of the macrocore sampler through a metal sampling shoe. The Geoprobe macrocore sampling shoe was cleaned per the following procedure to prevent cross-contamination between sampling intervals and locations:

- Alconox wash
- Tap water rinse
- Air dry

Soil samples were collected in glass jars and preserved in the field inside of a cooler ice bath and refrigerated upon reaching the H&H office. Samples were picked up by laboratory courier and transported to the laboratory. The following information was provided on the sample containers and the Chain-of-Custody form:

- Sampler's name
- Date and time of collection
- Sample name
- Sample analyses



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2.5 GEOLOGICAL CHARACTERIZATION

Soil boring logs are included in Appendix C. The surficial geologic materials were described in the 2019 PESA as silty clay loams. The PSI soil borings encountered materials consisting predominantly of silty clay, from 0 to 8 feet. The Soil Survey Map, Potential for Aquifer Contamination Map, and Stack Unit (geology) Map were included in the 2019 PESA Report, which is included in Appendix B (on CD) for reference.



3.0 TIER I AND MAC ASSESSMENT OF SOIL SAMPLE ANALYTICAL RESULTS

Soil samples were preserved, placed in an ice filled cooler, and transmitted First Environmental Laboratories, Inc. under Chain of Custody for analysis. The laboratory analytical reports are provided in Appendix D. Table 3-1 presents a summary of the soil samples analyzed and the analyses conducted for this PSI. A summary of analytical results is presented in Tables 3-2 through 3-9. Laboratory analyses and interpretation of results are described below. Table 3-10 presents the soil pH results.

3.1 ASSESSMENT PROCEDURES

TACO is Illinois' risk-based approach to determining site-specific cleanup objectives for the protection of human health and the environment. TACO addresses four exposure pathways (inhalation, soil ingestion, soil component of groundwater ingestion, and groundwater ingestion) and three types of potential receptors (residential, industrial/commercial [I/C], and construction worker [CW]). Numerical concentration standards for chemical compounds for each of the receptor groups are referred to as Remedial Objectives (ROs).

The TACO Tier I CW ingestion and inhalation routes are ROs for construction worker safety. If a constituent is detected above its respective Tier I CW RO, a construction worker caution should be established, and reuse of the soil within the designated area would not be recommended.

MACs are a set of values used to determine if soil meets the IEPA definition of "uncontaminated soil". The MACs are used strictly to determine if soil can be accepted at CCDD facilities. In general, a MAC value is determined by the most stringent TACO Tier I RO, but there are many exceptions. The MACs are found in Title 35 of the Illinois Administrative Code 1100, Subpart F and were finalized on August 27, 2012. Excavated soil is considered "uncontaminated soil" only if it achieves MAC values of Chemical Constituents in Uncontaminated Soil (35 Ill. ADM. Code 1100.Subpart F) and has a soil pH between 6.25 and 9.00.

Analytical results were compared to TACO Tier 1 ROs for Residential, I/C, and CW receptors (inhalation and ingestion routes) and the soil component of groundwater ingestion pathway for Class I Groundwater, as well as the MACs. For purposes of this investigation, soil results were compared to the MAC values to determine the recommended soil disposition method (CCDD-acceptable vs. non-special or special waste) and Tier I ROs (residential, I/C, CW, and soil component of groundwater ingestion route) to evaluate exposure during construction activities and potential reuse on site.



Table 3-1 Analytical Summary

Boring ID	Depth, ft	Relative to PIP #	pH	VOCs	PNAs	RCRA Metals	Pesticides/ Herbicides
SB-N	1-3	14			X		
SB-N	5-7	14	X	X	X	X	X
SB-S	1-2	15	X	X	X	X	X
SB-S	2-3	15			X		

3.2 COMPARISON OF RESULTS TO MACS AND TIER I OBJECTIVES

Analytical results were compared to Tier 1 ROs and MACs, and the results are summarized by contaminants of concern (COC) below. A comparison of the soil results to the Tier 1 ROs and MACs is presented in Tables 3-2 through 3-9.

3.2.1 VOCs

Two soil samples [SB-N (5-7) and SB-S (1-2)] were analyzed for VOCs. Table 3-2 presents the soil VOC results compared to the selected Tier 1 ROs. Table 3-3 presents the soil VOC results compared to the MACs for assessment of disposal options.

The VOC results are below detection limits for the samples analyzed, achieving the Tier 1 ROs and the MACs.

3.2.2 PNAs

Four soil samples [SB-N (1-3), SB-N (5-7), SB-S (1-2), and SB-S (2-3)] were analyzed for PNAs. Tables 3-4 presents the soil sample PNA analytical results compared to each of the Tier 1 ROs. Tables 3-5 presents the soil sample PNA analytical results compared to the MACs.

Sample SB-S (1-2) had detections of benzo(a)anthracene that exceeded the MAC for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties.

Sample SB-S (1-2) had detections of benzo(b)fluoranthene that exceeded the MAC for CCDD disposal outside a populated area and populated areas within non-MSA Counties.

Concentrations of several additional PNA concentrations were detected in soil sample SB-S (1-2) below their respective MAC values.

The detections of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC values for CCDD disposal outside a populated area and populated areas within non-MSA Counties will preclude soils generated from this area for reuse.

The remaining samples had PNA concentrations below the detection limits, achieving the Tier 1 ROs and the MACs for CCDD disposal.



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3.2.3 Total RCRA Metals

Two soil samples [SB-N (5-7) and SB-S (1-2)] were analyzed for total RCRA metals. Table 3-6 presents the soil sample total RCRA metal analytical results compared to each of the Tier 1 ROs. Table 3-7 presents the soil sample total RCRA metal analytical results compared to the MACs.

The RCRA metals detections achieved the MACs for CCDD disposal.

3.2.4 Pesticides and Herbicides

Two soil samples [SB-N (5-7) and SB-S (1-2)] were analyzed for pesticide and herbicides. Table 3-8 presents the soil pesticide and herbicides results compared to the selected Tier 1 ROs. Table 3-9 presents the soil pesticide and herbicides results compared to the MACs for assessment of disposal options.

The pesticide and herbicides results are below detection limits for the samples analyzed, achieving the Tier 1 ROs and the MACs.

**TABLE 3-2
VOC SOIL RESULTS COMPARED TO TIER 1 REMEDIAL OBJECTIVES**

Soil Boring Depth, ft	Ingestion Exposure Route			Inhalation Exposure Route			Soil Component of Groundwater Ingestion (Class I)	SB-N 5-7'	SB-S 1-2'
	Residential ^{a/}	Industrial / Commerical ^{a/}	Constructon Worker ^{a/}	Residential ^{a/}	Industrial / Commerical ^{a/}	Constructon Worker ^{a/}			
Constituent	-----mg/kg-----								
Acetone	70,000	--	--	100,000	100,000	100,000	25	<0.2	<0.2
Benzene	12	100	2,300	0.8	1.6	2.2	0.03	<0.005	<0.005
Bromodichloromethane	10	92	2,000	3,000	3,000	3,000	0.6	<0.005	<0.005
Bromoform	81	720	16,000	53	100	140	0.8	<0.005	<0.005
Bromomethane	110	2,900	1,000	10	15	3.9	0.2	<0.01	<0.01
2-Butanone (MEK)	--	--	--	--	--	--	--	<0.1	<0.1
Carbon disulfide	7,800	200,000	20,000	720	720	9	32	<0.005	<0.005
Carbon tetrachloride	5	44	410	0.3	0.64	0.9	0.07	<0.005	<0.005
Chlorobenzene	1,600	41,000	4,100	130	210	1.3	1	<0.005	<0.005
Chlorodibromomethane	1,600	41,000	41,000	1,300	1,300	1,300	0.4	<0.005	<0.005
Chloroethane	--	--	--	--	--	--	--	<0.01	<0.01
Chloroform	100	940	2,000	0.3	0.54	0.76	0.6	<0.005	<0.005
Chloromethane	--	--	--	--	--	--	--	<0.01	<0.01
1,1-Dichloroethane	7,800	200,000	200,000	1,300	1,700	130	23	<0.005	<0.005
1,2-Dichloroethane	7	63	1,400	0.4	0.7	0.99	0.02	<0.005	<0.005
1,1-Dichloroethene	3,900	100,000	10,000	290	470	3	0.06	<0.005	<0.005
cis-1,2-Dichloroethene	780	20,000	20,000	1,200	1,200	1,200	0.4	<0.005	<0.005
trans-1,2-Dichloroethene	1,600	41,000	41,000	3,100	3,100	3,100	0.7	<0.005	<0.005
1,2-Dichloropropane	9	84	1,800	15	23	0.5	0.03	<0.005	<0.005
cis-1,3-Dichloropropene	6.4	57	1,200	1.1	2.1	0.39	0.004	<0.004	<0.004
trans-1,3-Dichloropropene	6.4	57	1,200	1.1	2.1	0.39	0.004	<0.004	<0.004
Ethylbenzene	7,800	200,000	20,000	400	400	58	13	<0.005	<0.005
2-Hexanone	--	--	--	--	--	--	--	<0.01	<0.01
Methyl-tert-butylether (MTBE)	780	20,000	2,000	8,800	8,800	140	0.32	<0.005	<0.005
4-Methyl-2-pentanone (MIBK)	--	--	--	--	--	--	--	<0.01	<0.01
Methylene chloride	85	760	12,000	13	24	34	0.02	<0.02	<0.02
Styrene	16,000	410,000	41,000	1,500	1,500	430	4	<0.005	<0.005
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	<0.005	<0.005
Tetrachloroethene	12	110	2,400	11	20	28	0.06	<0.005	<0.005
Toluene	16,000	410,000	410,000	650	650	42	12	<0.005	<0.005
1,1,1-Trichloroethane	--	--	--	1,200	1,200	1,200	2	<0.005	<0.005
1,1,2-Trichloroethane	310	8,200	8,200	1,800	1,800	1,800	0.02	<0.005	<0.005
Trichloroethene	58	520	1,200	5	8.9	12	0.06	<0.005	<0.005
Vinyl acetate	78,000	1,000,000	200,000	1,000	1,600	10	170	<0.01	<0.01
Vinyl chloride	0.46	7.9	170	0.28	1.1	1.1	0.01	<0.01	<0.01
Xylene, Total	16,000	410,000	41,000	320	320	5.6	150	<0.005	<0.005

^{a/} Refers to Remediation Objective from Table B, Appendix B, Part 742 - TACO

-- Constituent for which sample was not analyzed, or for which no Remedial Objective exists.

**TABLE 3-3
VOC SOIL RESULTS COMPARED TO THE MACs FOR CCDD DISPOSAL**

Soil Boring	<i>Maximum Allowable</i>	SB-N	SB-S
Depth, ft	<i>Concentration ^{a/}</i>	5-7'	1-2'
Constituent	-----mg/kg-----		
Acetone	25	<0.2	<0.2
Benzene	0.03	<0.005	<0.005
Bromodichloromethane	0.6	<0.005	<0.005
Bromoform	0.8	<0.005	<0.005
Bromomethane	0.2	<0.01	<0.01
2-Butanone (MEK)	17	<0.1	<0.1
Carbon disulfide	9	<0.005	<0.005
Carbon tetrachloride	0.07	<0.005	<0.005
Chlorobenzene	1	<0.005	<0.005
Chlorodibromomethane	0.4	<0.005	<0.005
Chloroform	0.3	<0.005	<0.005
1,1-Dichloroethane	23	<0.005	<0.005
1,2-Dichloroethane	0.02	<0.005	<0.005
1,1-Dichloroethene	0.06	<0.005	<0.005
cis-1,2-Dichloroethene	0.4	<0.005	<0.005
trans-1,2-Dichloroethene	0.7	<0.005	<0.005
1,2-Dichloropropane	0.03	<0.005	<0.005
cis-1,3-Dichloropropene	0.005	<0.004	<0.004
trans-1,3-Dichloropropene	0.005	<0.004	<0.004
Ethylbenzene	13	<0.005	<0.005
Methyl-tert-butylether (MTBE)	0.32	<0.005	<0.005
Methylene chloride	0.02	<0.02	<0.02
Styrene	4	<0.005	<0.005
Tetrachloroethene	0.06	<0.005	<0.005
Toluene	12	<0.005	<0.005
1,1,1-Trichloroethane	2	<0.005	<0.005
1,1,2-Trichloroethane	0.02	<0.005	<0.005
Trichloroethene	0.06	<0.005	<0.005
Vinyl acetate	10	<0.01	<0.01
Vinyl chloride	0.01	<0.01	<0.01
Xylene, Total	5.6	<0.005	<0.005

^{a/} Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

-- Constituent for which sample was not analyzed, or for which no Remedial Objective exists.
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**TABLE 3-4
PNA SOIL RESULTS COMPARED TO TIER 1 REMEDIAL OBJECTIVES**

Sample ID	Ingestion Exposure Route ¹			Inhalation Exposure Route ¹			Migration to Class I Groundwater Exposure Route ¹	SB-N 1-3'	SB-N 5-7'	SB-S 1-2'	SB-S 2-3'
	Residential	Industrial / Commercial	Construction Worker	Residential	Industrial / Commercial	Construction Worker					
Sample Depth	mg/kg										
Constituents	mg/kg										
Acenaphthene	4,700	120,000	120,000	---	---	---	570	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	2,300 ³	61,000 ³	61,000 ³	---	---	---	85 ³	<0.33	<0.33	<0.33	<0.33
Anthracene	23,000	610,000	610,000	---	---	---	12,000	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	1.8 ²	8	170	---	---	---	2	<0.33	<0.33	1.52	<0.33
Benzo(a)pyrene	2.1 ²	2.1 ²	17	---	---	---	8	<0.09	<0.09	<0.09	<0.09
Benzo(b)fluoranthene	2.1 ²	8	170	---	---	---	5	<0.33	<0.33	1.02	<0.33
Benzo(k)fluoranthene	9	78	1,700	---	---	---	49	<0.33	<0.33	0.889	<0.33
Benzo(ghi)perylene	2,300 ³	61,000 ³	61,000 ³	---	---	---	27,000 ³	<0.33	<0.33	<0.33	<0.33
Chrysene	88	780	17,000	---	---	---	160	<0.33	<0.33	1.52	<0.33
Dibenzo(a,h)anthracene	0.42 ²	0.8	17	---	---	---	2	<0.09	<0.09	<0.09	<0.09
Fluoranthene	3,100	82,000	82,000	---	---	---	4,300	<0.33	<0.33	2.41	<0.33
Fluorene	3,100	82,000	82,000	---	---	---	560	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	1.6 ²	8	170	---	---	---	14	<0.33	<0.33	<0.33	<0.33
Naphthalene	1,600	41,000	4,100	170	270	1.8	12	<0.33	<0.33	<0.33	<0.33
Phenanthrene	2,300 ³	61,000 ³	61,000 ³	---	---	---	210 ³	<0.33	<0.33	1.14	<0.33
Pyrene	2,300	61,000	61,000	---	---	---	4,200	<0.33	<0.33	2.16	<0.33

¹Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

²Refers to background concentration from 35 IAC 742, Appendix A, Table H within a populated area in an MSA (excluding Chicago)

³Value listed on rescinded non-TACO Table established by Illinois EPA (revision date: 10/30/12) and formerly located at <http://www.epa.illinois.gov/topics/cleanup-programs/taco/other-chemicals/index>. Value is provided as a tool for comparison and is not a TACO Tier 1 RO.

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable RO

--- Constituent for which RO has not been established

Note: Table only includes samples analyzed for PNAs

Note: Tier 1 ROs have not been established for acenaphthylene, benzo(g,h,i)perylene, or phenanthrene; background concentrations within a populated area in an MSA (excluding Chicago) established as 0.07 mg/kg, 1.7 mg/kg, and 2.5 mg/kg, respectively

**TABLE 3-5
PNA SOIL RESULTS COMPARED TO THE MACs FOR CCDD DISPOSAL**

Sample ID	Maximum Allowable Concentration ¹				SB-N	SB-N	SB-S	SB-S
	Within Chicago Corporate Limits	Within a Populated Area in a MSA Excluding Chicago	Within a Populated Area in a non-MSA County	Outside a Populated Area	1-3'	5-7'	1-2'	2-3'
Sample Depth								
Constituents	-----mg/kg-----							
Acenaphthene	570	570	570	570	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	85	85	85	85	<0.33	<0.33	<0.33	<0.33
Anthracene	12,000	12,000	12,000	12,000	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	1.1²	1.8²	0.9	0.9	<0.33	<0.33	1.52	<0.33
Benzo(a)pyrene	1.3²	2.1²	0.98²	0.09	<0.09	<0.09	<0.09	<0.09
Benzo(b)fluoranthene	1.5²	2.1²	0.9	0.9	<0.33	<0.33	1.02	<0.33
Benzo(k)fluoranthene	9	9	9	9	<0.33	<0.33	0.889	<0.33
Benzo(g,h,i)perylene	2,300	2,300	2,300	2,300	<0.33	<0.33	<0.33	<0.33
Chrysene	88	88	88	88	<0.33	<0.33	1.52	<0.33
Dibenzo(a,h)anthracene	0.20²	0.42²	0.15²	0.09	<0.09	<0.09	<0.09	<0.09
Fluoranthene	3,100	3,100	3,100	3,100	<0.33	<0.33	2.41	<0.33
Fluorene	560	560	560	560	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	0.9	1.6²	0.9	0.9	<0.33	<0.33	<0.33	<0.33
Naphthalene	1.8	1.8	1.8	1.8	<0.33	<0.33	<0.33	<0.33
Phenanthrene	210	210	210	210	<0.33	<0.33	1.14	<0.33
Pyrene	2,300	2,300	2,300	2,300	<0.33	<0.33	2.16	<0.33

¹Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

²Refers to background concentration from 35 IAC 742, Appendix A, Table H

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable MAC

Note: Table only includes samples analyzed for PNAs

TABLE 3-6

RCRA METALS SOIL RESULTS COMPARED TO TIER 1 REMEDIAL OBJECTIVES

Soil Boring	Ingestion Exposure Route			Inhalation Exposure Route			SB-N	SB-S
	Residential ^{a/}	Industrial / Commerical ^{a/}	Constructon Worker ^{a/}	Residential ^{a/}	Industrial / Commerical ^{a/}	Constructon Worker ^{a/}		
Depth, ft							5-7'	1-2'
Constituent	-----mg/kg-----							
Arsenic	13	13	61	750	1,200	25,000	7.8	7.5
Barium	5,500	140,000	14,000	690,000	910,000	870,000	174	173
Cadmium	78	2,000	200	1,800	2,800	59,000	<0.5	<0.5
Chromium	230	6,100	4,100	270	420	690	15.5	16.4
Lead	400	800	700	--	--	--	16.7	66.3
Mercury	23	610	61	10	16	0.10	<0.05	0.08
Selenium	390	10,000	1,000	--	--	--	<1.0	<1.0
Silver	390	10,000	1,000	--	--	--	0.9	0.8

^{a/} Refers to Remediation Objective from Table B, Appendix B, Part 742 - TACO

-- Constituent for which sample was not analyzed, or for which no Remedial Objective exists.

*TCLP analysis indicates achievement of MAC, refer to table 3-12

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable MAC

**TABLE 3-7
RCRA METALS SOIL RESULTS COMPARED TO THE MACs FOR CCDD
DISPOSAL**

Soil Boring	<i>Maximum Allowable</i>	SB-N	SB-S
Depth, ft	<i>Concentration ^{a/}</i>	5-7'	1-2'
Constituent	-----mg/kg-----		
Arsenic	13	7.8	7.5
Barium	1,500	174	173
Cadmium	5.2	<0.5	<0.5
Chromium	21	15.5	16.4
Lead	107	16.7	66.3
Mercury	0.89	<0.05	0.08
Selenium	1.3	<1.0	<1.0
Silver	4	0.9	0.8

Uncontaminated Soil Used As Fill Material At Regulated Fill Operations (35 IAC 1100.Subpart F)

b/ Refers to MAC value within a populated area in a MSA excluding Chicago

-- Constituent for which sample was not analyzed, or for which no Remedial Objective exists.

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable MAC

*TCLP analysis indicates achievement of MAC, refer to table 3-12

**TABLE 3-8
PESTICIDE/HERBICIDE SOIL RESULTS COMPARED TO TIER 1 REMEDIAL OBJECTIVES**

Sample ID	Ingestion Exposure Route ¹			Inhalation Exposure Route ¹			Migration to Class 1 Groundwater Exposure Route ¹	SB-N	SB-S	
	Residential	Industrial / Commercial	Constructor Worker	Residential	Industrial / Commercial	Constructor Worker				
Constituent	mg/kg									
Aldrin	0.04	0.3	6.1	3	6.6	9.3	0.5	<0.008	<0.008	
alpha-BHC	0.1	0.9	20	0.8	1.5	2.1	0.0005	<0.002	<0.002	
beta-BHC	61	---	---	---	---	---	0.1	<0.008	<0.008	
delta-BHC	1,000	---	---	---	---	---	---	<0.008	<0.008	
gamma-BHC (Lindane)	1,000	4	96	---	---	---	---	<0.008	<0.008	
alpha-Chlordane	1.8	16	100	72	140	22	10	<0.08	<0.08	
gamma-Chlordane	1.8	16	100	72	140	22	10	<0.08	<0.08	
4,4'-DDD	3	24	520	---	---	---	16	<0.016	<0.016	
4,4'-DDE	2	17	370	---	---	---	54	<0.016	<0.016	
4,4'-DDT	2	17	100	---	---	---	32	<0.016	<0.016	
Dieldrin	0.04	0.4	7.8	1	2.2	3.1	0.004	<0.016	<0.016	
Endosulfan I	470	12,000	1,200	---	---	---	18	<0.008	<0.008	
Endosulfan II	---	---	---	---	---	---	---	<0.016	<0.016	
Endosulfan sulfate	---	---	---	---	---	---	---	<0.016	<0.016	
Endrin	23	610	61	---	---	---	1	<0.016	<0.016	
Endrin aldehyde	---	---	---	---	---	---	---	<0.016	<0.016	
Endrin ketone	---	---	---	---	---	---	---	<0.016	<0.016	
Heptachlor	0.1	1	28	0.1	11	16	23	<0.008	<0.008	
Heptachlor epoxide	0.07	0.6	2.7	5	9.2	13	0.7	<0.008	<0.008	
Methoxychlor	390	10,000	1,000	---	---	---	160	<0.08	<0.08	
Toxaphene	0.6	5.2	110	89	170	240	31	<0.16	<0.16	
2,4-Dichlorophenoxyacetic acid (2,4-D)	780	20,000	2,000	---	---	---	1.5	<0.1	<0.1	
Silvex (2,4,5-TP)	630	16,000	1,600	---	---	---	11	<0.1	<0.1	

¹Refers to Remedial Objective (RO) from Tables A and B, Appendix B, Part 742 - TACO

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable RO

--- Constituent for which sample was not analyzed, or for which RO has not been established

Note: Table only includes samples analyzed for pesticides/herbicides

**TABLE 3-9
PESTICIDE/HERBICIDE SOIL RESULTS COMPARED TO THE MACs FOR**

Sample ID	Maximum Allowable Concentration ¹	SB-N	SB-S
Sample Depth		5-7'	1-2'
Constituent	-----mg/kg-----		
Aldrin	0.94	<0.008	<0.008
alpha-BHC	0.007	<0.002	<0.002
gamma-BHC (Lindane)	0.009	<0.008	<0.008
alpha-Chlordane	1.8	<0.08	<0.08
gamma-Chlordane	1.8	<0.08	<0.08
4,4'-DDD	3	<0.016	<0.016
4,4'-DDE	2	<0.016	<0.016
4,4'-DDT	2	<0.016	<0.016
Dieldrin	0.603	<0.016	<0.016
Endosulfan I	18	<0.008	<0.008
Endosulfan II	18	<0.016	<0.016
Endosulfan sulfate	18	<0.016	<0.016
Endrin	1	<0.016	<0.016
Heptachlor	0.871	<0.008	<0.008
Heptachlor epoxide	1.005	<0.008	<0.008
Methoxychlor	160	<0.08	<0.08
Toxaphene	0.6	<0.16	<0.16
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.85	<0.1	<0.1
Silvex (2,4,5-TP)	11	<0.1	<0.1

¹Refers to Maximum Allowable Concentration (MAC) of Chemical Constituents in

Bold = Constituent detected above its reporting limit

Bold/Shaded = Constituent detected above its applicable MAC

-- Constituent for which sample was not analyzed

Note: Table only includes samples analyzed for pesticides/herbicides

Note: Table only includes constituents for which a MAC is established



3.3 SOIL PH RESULTS

Table 3-10 presents the soil pH results. Soil samples were preserved and transferred to First Environmental Laboratories, Inc., under Chain-of-Custody for analysis. The laboratory analytical reports are provided in Appendix D. CCDD regulations require soil pH between 6.25 and 9.00 to be acceptable for disposal at a CCDD or soil-only facility. Two samples were submitted for soil pH analysis and are considered representative of the Project Corridor. The pH results ranged from 7.36 to 7.77, within the acceptable 6.25 to 9.00 range. Therefore, soils from this Project Corridor are considered to achieve the CCDD soil pH criteria.

Table 3-10 Soil pH Results Compared to the Soil pH Requirement for CCDD Disposal

Soil Boring ID	Depth, ft	Soil pH Result
SB-N	5-7	7.36
SB-S	1-2	7.77
<i>CCDD Soil pH Requirement: between 6.25 - 9.0</i>		



4.0 CONCLUSIONS AND SOIL MANAGEMENT RECOMMENDATIONS

4.1 CONCLUSIONS

A PESA for the Project Corridor was conducted by Kaskaskia Engineering Group, LLC (KEG), (November 2019) which identified five (5) potentially impacted/REC sites. The Project Corridor included in the November 2019 PESA included limits extending along an approximately one-mile segment of Johnson Street, Wets Grant Street, and McArthur Street. Excavation activities are planned in association with two of the PIPs/RECs.

Two (2) soil borings were advanced to maximum depths ranging from of approximately four (4) feet bgs to eight (8) feet bgs, corresponding to the maximum anticipated depth of the planned and/or potential improvements. The current guidance for determining the ability to dispose of materials as clean construction or demolition debris (CCDD) is through comparison of soil sample analytical results to the Maximum Allowable Concentrations (MACs) of chemical constituents in uncontaminated soil used as fill material. There is also a soil pH requirement (between 6.25 and 9.0).

Parameters of concern were selected based on this information and include one or more of the following: volatile organic compounds (VOCs); polynuclear aromatic compounds (PNAs); pesticides; herbicides; and total RCRA metals. Samples were also analyzed for soil pH using laboratory analysis to assess CCDD suitability of Project Corridor soils.

Two samples were submitted for soil pH analysis and are considered representative of the Project Corridor. The pH results ranged from 7.36 to 7.77, within the acceptable 6.25 to 9.00 range. Therefore, soils from this Project Corridor are considered to achieve the CCDD soil pH criteria.

The VOC results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.

Sample SB-S (1-2) contained benzo(a)anthracene at a concentration that exceeded the MAC for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties. Sample SB-S (1-2) contained benzo(b)fluoranthene at a concentration that exceeded the MAC for CCDD disposal outside a populated area and populated areas within non-MSA Counties. Concentrations of several additional PNA concentrations were detected in soil sample SB-S (1-2) below their respective MAC values. The detections of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC values for CCDD disposal outside a populated area and populated areas within non-MSA Counties will preclude soils generated from this area for reuse. The remaining samples had PNA concentrations below the detection limits, achieving the Tier 1 ROs and the MACs for CCDD disposal.

The total RCRA metals results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.

The pesticide and herbicide results achieve their respective Tier 1 ROs for the following exposure pathways: residential ingestion and inhalation; industrial/commercial ingestion and inhalation; construction worker ingestion and inhalation; and soil component of groundwater ingestion (Class I). The results also achieve the MACs for CCDD disposal.



4.2 SOIL MANAGEMENT RECOMMENDATIONS

Based on concentrations of benzo(a)anthracene and benzo(b)fluoranthene that exceeded the MAC in the soil at SB-S (1-2), an exclusion zone has been established around the boring location. Based on the location of the project area within McDonough County, the soil generated from the boring SB-S (1-2) is **NOT** certified for CCDD disposal but must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill.

The CCDD exclusion zone for the Macomb Safe Routes to School Project is depicted on Figure 4-1. Based on concentrations of benzo(a)anthracene and benzo(b)fluoranthene that exceeded their respective MACs in the soil at SB-S (1-2), exclusion zones have been established around this boring location. The soil generated from this boring are **NOT** certified for CCDD disposal outside a populated area, within Chicago corporate limits, and populated areas within non-MSA Counties and must be managed as a non-special waste with final disposition at a Subtitle D Sanitary Landfill or disposed of at a CCDD facility within an MSA county excluding Chicago. The CCDD exclusion zone is depicted on Figure 4-1. *Soils within the areas characterized by SB-2 (1-2) are considered to be (a)(4) soils per Article 669.05 of IDOT Standard Specifications for Road and Bridge Construction, which must be managed and disposed of off-site as non-special waste or special waste or disposed at a CCDD facility within an MSA county excluding Chicago.*

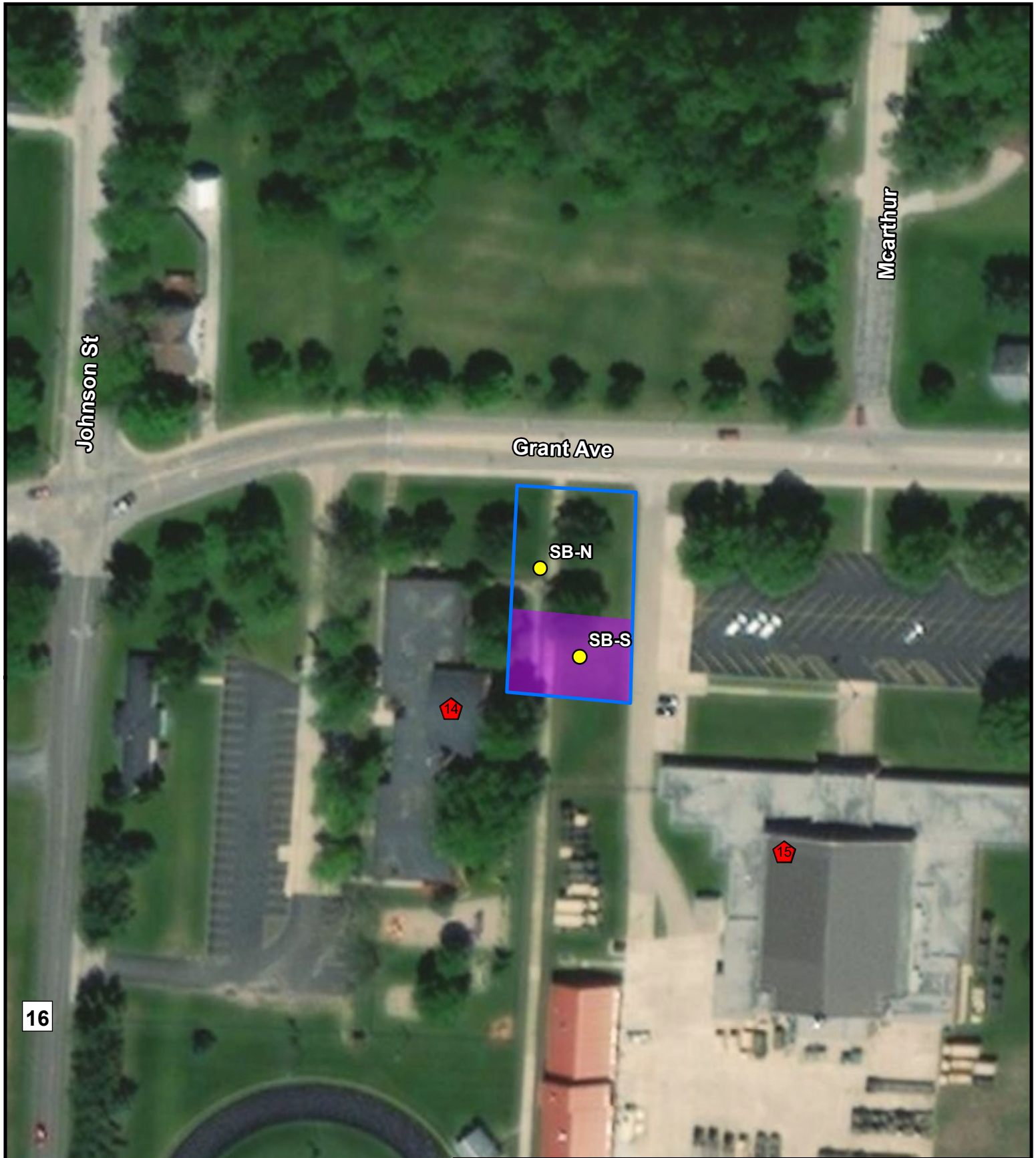
Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.

CCDD Exclusion Areas:

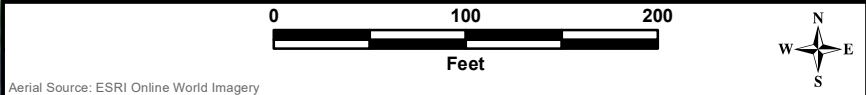
- **SB-S (0-2 feet bgs):** SB-S (1-2) exceeded MACs for benzo(a)anthracene and benzo(b)fluoranthene. The area is defined as from the midpoint between boring SB-N and SB-S, located 120 feet south of the centerline of W. Grant Street and extending approximately 65 feet south to the southern extent of the Project Area. The exclusion zone includes the entire width of the Project Area. *These soils are considered to be 669.05 (a)(4) soils.*

Soils from the remainder of the Project Corridor are considered to be uncontaminated soil and are eligible for reuse onsite or disposed of at a CCDD facility. The CCDD regulations require completion of Uncontaminated Soil Certification by Licensed Professional Engineer or Geologist (LPC-663) prior to placement of soils at either a CCDD or soil-only facility, in cases where PIPs have been identified. PIPs have been identified along the entire Project Corridor, making an LPC-663 necessary for this project. A blank LPC-663 Form is included in Appendix E.

Should soils be encountered within the areas identified as CCDD acceptable that are not representative of the soils encountered during the PSI boring activities (odors, staining, or debris), those soils would need to be reassessed prior to disposal at a “clean fill” facility.



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Aerial Source: ESRI Online World Imagery

Legend

- Project Limits
- Exclusion Zone (0-2' bgs)
- Soil Boring
- ⬠ PIP

Huff & Huff, Inc.


Figure 4-1
CCDD Exclusion Zone Map
Macomb Safe Routes to School
Macomb, McDonough County, IL

Site ID	Address	Status
14	235 W. Grant Street	PIP
15	135 W. Grant Street	PIP

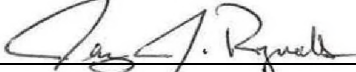


ENDORSEMENTS

The scope and depth of this study are consistent with those proposed and accepted by the City of Macomb. The field observations and results reported herein are considered sufficient in detail and scope to form an informed and professional opinion as to the obvious potential environmental hazards along the Project Corridor. This assessment is complete and is believed to be accurate. Huff & Huff, Inc. cannot guarantee or warrant that the information provided is fully representative of all conditions across the entire Project Corridor.

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5.0 INFORMATION SOURCES

Maps

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APPENDIX A
PHOTOGRAPH LOG



Photograph 1: Advancement of SB-N, facing south



Photograph 2: Advancement of SB-S, facing north



Photograph 3: View of southern extent of Project Area, facing northwest



Photograph 4: View of north extent of Project Area, facing south



The City of Macomb
Macomb Safe Routes to School Project
PSI Photo Log

Macomb, McDonough County, Illinois



APPENDIX B (on CD)

2019 PESA

**PRELIMINARY ENVIRONMENTAL
SITE ASSESSMENT**

**Macomb Safe Routes to School
(Grant/McArthur Streets) and Johnson Street
Corridor (Grant Street to Harmony Lane)
Macomb, Illinois**

McDonough County, Illinois

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Table 1 - RECs within the Project Area
Table 2 – Sites Along the Project Determined to Contain RECs
Table 3 - Sites Along the Project Determined to Contain de minimis Conditions Only
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Table 5 - Additional Sites, Adjoining but Not on the Project, Identified on Environmental Databases
Table 6 - Soils Within the Project Area

EXHIBITS

Exhibit A - Location Map
Exhibit B - NRCS Web Soil Survey Data
Exhibit C - PESA Site Location Map
Exhibit D - Site Visit Materials (Photo Log and Field Check List)
Exhibit E - EDR Environmental Database Reports

LIST OF ACRONYMS

ACM	Asbestos Containing Material
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitations
CFR	Code of Federal Regulations
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
IDOT	Illinois Department of Transportation
IEPA	Illinois Environmental Protection Agency
ISGS	Illinois State Geological Survey
KEG	Kaskaskia Engineering Group, LLC
NRCS	Natural Resources Conservation Service
PCB	polychlorinated biphenyl
PESA	Preliminary Environmental Site Assessment
PSI	Preliminary Site Investigation
REC	Recognized Environmental Condition
USGS	U.S. Geological Survey

Note: A more complete acronym list is located in the EDR Environmental Database Reports, Exhibit E.

EXECUTIVE SUMMARY

This report presents the results of an environmental site assessment of approximately a one-mile segment of Johnson Street, West Grant Street, and McArthur Street in the City of Macomb, in McDonough County, Illinois. The project also includes the reconstruction of Johnson Street from Grant Street to Harmony Lane from a two-lane road with ditches on both sides to a three-lane road with a bi-directional center turn lane, and updated curb and gutter storm sewers. This report was prepared by Kaskaskia Engineering Group, LLC (KEG).

The following sites were examined for this project. The tables below list sites along the project for which recognized environmental conditions (RECs)* were identified for each address or address range (Table 1); sites along the project for which only de minimis conditions were identified (Table 2); sites along the project for which no RECs or de minimis conditions were identified (Table 3); and sites adjoining but not on the project that were identified on environmental databases (Table 4). Further investigation of sites with RECs may be desired.

Table 1 – RECs within the Project Area

Property Name/ Parcel #	KEG Site #	REC(s), Including De Minimis Conditions	Regulatory Database(s)	Land Use
None.				

Table 2 - Sites Along the Project Determined to Contain RECs

Property Name/ Parcel #	KEG Site #	REC(s), Including De Minimis Conditions	Regulatory Database(s)	Land Use
Residence/ 11-401-295-00	8	CDL; likely pesticide and/or herbicide use; potential lead paint	CDL	Residential
Greenview Estates Mobile Park/ 11-401-212-00	10	BOL; likely pesticide and/or herbicide use; potential lead paint	BOL	Residential
Macomb High School/ 11-401-282-00	13	Asbestos, BOL, RCRA-SQG, FINDS, ECHO; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use	Asbestos, BOL, RCRA-SQG, FINDS, ECHO	Institutional
MacArthur Early Childhood Center/ 11-401-281-00	14	UST; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use	UST	Institutional

Property Name/ Parcel #	KEG Site #	REC(s), Including De Minimis Conditions	Regulatory Database(s)	Land Use
Macomb Armory 11-401-280-00	15	UST, RCRA-VSQG; potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use	UST,RCRA- VSQG	Government

Table 3 - Sites Along the Project Determined to Contain de minimis Conditions Only

Property Name/ Parcel #	KEG Site #	De Minimis Condition(s)	Land Use
Residence/ 11-400-828-00	1	Likely pesticide and/or herbicide use; potential lead paint.	Residential
Vegetated Lot/ 11-400-012-00	2	Likely pesticide and/or herbicide use.	Vacant Lot
Residence/ 11-400-010-00	3	Likely pesticide and/or herbicide use; potential lead paint.	Residential
Countryview Care Center of Macomb/ 11-400-806-00	4	Potential asbestos-containing materials and lead paint; likely pesticide and/or herbicide use.	Commercial
Institutional/ 11-401-020-10	5	Likely pesticide and/or herbicide use; potential lead paint.	Institutional
Agricultural Field/ 11-401-020-00	6	Likely pesticide and/or herbicide use.	Agricultural
Residences/ 11-401-021-00 11-401-022-00 11-401-023-00 11-401-023-05 11-401-300-00 11-401-230-00 11-401-228-00 11-401-286-00	7	Likely pesticide and/or herbicide use; potential lead paint.	Residential
Agricultural Field / 11-401-283-00	9	Likely pesticide and/or herbicide use.	Mixed-Use
Residences/ 11-401-329-00 11-401-330-00	11	Likely pesticide and/or herbicide use; potential lead paint.	Residential

Property Name/ Parcel #	KEG Site #	De Minimis Condition(s)	Land Use
Agricultural Field/ 17-000-097-00 17-000-049-00	12	Likely pesticide and/or herbicide use.	Agricultural
Residences/ 11-400-004-00 11-400-008-00 11-400-007-00 11-400-009-05 11-400-815-05	16	Likely pesticide and/or herbicide use and potential lead paint.	Residential

Table 4 - Sites Along the Project Determined Not to Contain RECs or de minimis Conditions

Property Name/ Parcel #	KEG Site #	Land use
None.		

Table 5 - Additional Sites, Adjoining but Not on the Project, Identified on Environmental Databases

Property Name/ Parcel #	KEG Site #	Regulatory Database(s)	Land Use
None.			

* For all sites:

Where REC(s) are indicated as present, a condition was noted that may be indicative of releases or potential releases of hazardous substances on, at, in, or to the site, as discussed in the text. Potential hazards were not verified by KEG testing. Radon, biological hazards (such as mold, medical waste, or septic waste), and non-agricultural pesticides and/or herbicides may also be of concern. No further investigation concerning the presence or use of these factors was conducted for this PESA.

Where RECs are not indicated as present, radon, biological hazards (such as mold, medical waste, or septic waste), and non-agricultural pesticides and/or herbicides may still be of concern. No further investigation concerning the presence or use of these factors was conducted for this PESA.

For the purposes of this report, the following are considered to be de minimis conditions:

- Normal use of lead-based paint on exteriors and interiors of buildings and structures.

- Use of asbestos-containing materials in building construction.
- Transformers in normal use, unless the transformers were observed to be leaking, appear on an environmental regulatory list, or were otherwise determined to pose a hazard not related to normal use.
- Agricultural use of pesticides and herbicides. In addition, most land in Illinois was under agricultural use prior to its conversion to residential, industrial, or commercial development. Pesticides, both regulated and otherwise, may have been used throughout the project area at any time. Unless specifically discussed elsewhere in this report, no information regarding past pesticide use that would be subject to enforcement action was located for this project, and such use is considered a de minimis condition.

The following data gaps exist for all PESAs:

- For residences, only areas visible from public roads are inspected.
- Interiors of buildings are not inspected.
- Interiors of agricultural areas are not inspected during growing seasons.

Radon and biological hazards are not considered in this PESA unless specifically noted.

N/A = No parcel number was available for this site.

Although potential natural hazards and undermining, if present, are described in this report, they are not considered as RECs or de minimis conditions for the purposes of this report, and are therefore not listed in the tables above. Wetlands and flooding hazards are not evaluated as part of this report.

1.0 INTRODUCTION

This is the Final Report of a Preliminary Environmental Site Assessment (PESA) by Kaskaskia Engineering Group, LLC (KEG) of natural and man-made hazards that may be encountered with the construction of approximately one (1) mile of sidewalks along Johnson Street, West Grant Street, McArthur Street, and the pedestrian entrance to Macomb High School, as well as a new raised crosswalk across West Grant Street in the City of Macomb, in McDonough County, Illinois. The project also includes the reconstruction of Johnson Street from Grant Street to Harmony Lane from a two-lane road with ditches on both sides to a three-lane road with a bi-directional center turn lane, and updated curb and gutter storm sewers (Exhibit A – Project Location Map).

This report identifies and evaluates recognized environmental conditions (RECs) that may be indicative of releases or potential releases of hazardous substances on, at, in, or to the proposed project. A REC is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment, and generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies.

This assessment has been prepared using historical and geological information including aerial photographs, U.S. Geological Survey topographic maps, regulatory file information from federal, state, and other agencies, and various other sources of information. An on-site investigation has been completed. The specific methods used to conduct the assessment are contained in “A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Infrastructure Projects” (Erdmann et al., 2014). If new information is received concerning this project that is considered to have a significant impact on the findings of this report, the report will be revised and resubmitted to the Illinois Department of Transportation (IDOT) Bureau of Design and Environment.

This PESA was performed in compliance with the IDOT- Illinois State Geological Survey (ISGS) PESA Manual (Erdmann et al., 2014) and not with the All Appropriate Inquiries environmental assessment standard (40 Code of Federal Regulations [CFR] Part 312) that took effect on November 1, 2006, or with the ASTM standard E1527—05.

2.0 GEOLOGY

Bedrock Geology. According to the ISGS Bedrock Map (2005), the bedrock in the project area consists of the Pennsylvanian Age Tradewater Formation.

Surficial Geology. According to the ISGS Surficial Map (2000), the materials are of the Kellerville Till Member, Winslow Till Member, and Ogle Till Member of the Glasford Formation of the Wedron Group. The Wedron Group is mostly diamicton, consisting of unsorted and unstratified gravel, sand, silt, and clay mixture. It also contains lenses of sand, gravel, and/or silt. The Kellerville Till Member, Winslow Till Member, and Ogle Till Member is a highly variable matrix. Past farming use of the project area has resulted in some alterations to the upper subsurface materials, including reworking of the natural materials and placement of fill material. The fill material, including utility trenches, can be expected to contain miscellaneous fill and refuse material from prior development, demolition, and material disposal activities.

Soils. Soils within the project site have been classified by the U.S. Department of Agriculture’s Natural Resources Conservation Service (NRCS) as nine different types. The different soil types are listed in Table 6. Exhibit B details the project area’s soil information.

Table 6 – Soils within the Project Area

Map Unit	Soil Type, Description	Hydric Percent	Infiltration Rate
6C2	Fishhook silt loam, 5 to 10 percent slopes	0	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
43A	Ipava silt loam, 0 to 2 percent slopes	15	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
43B	Ipava silt loam, 2 to 5 percent slopes	15	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
43B2	Ipava silt loam, 2 to 5 percent slopes	5	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
68A	Sable silty clay loam, 0 to 2 percent slopes	85	Moderate infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
86B	Oscos silt loam, 2 to 5 percent slopes	4	Moderate infiltration rate when thoroughly wet in drained and undrained areas.
257A	Clarksdale silty loam, 0 to 2 percent slopes	4	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	0	Slow infiltration rate when thoroughly wet in drained areas. Very slow infiltration rate (high runoff potential) when thoroughly wet in undrained areas.
675B	Greenbush silt loam, 2 to 5 percent slopes	2	Moderate infiltration rate when thoroughly wet in drained and undrained areas.

Non-Coal Mineral Resources. Not applicable to the project area.

Coal Mining. Not applicable to the project area.

3.0 HYDROGEOLOGY

Drainage Direction. Surficial drainage in the project area is generally towards the west. Neither the near-surface, nor the shallow unconfined groundwater flow direction, was specifically determined for this project; but, they generally mimic local topography.

Wellhead Protection Areas. Not applicable to the project area.

Surficial Public Water Supplies. The proposed project is not likely to impact surficial public water supplies.

Groundwater Recharge. The project area is located in Zone 7 for groundwater recharge potential. On a scale of 1 to 7, Zone 1 indicates the highest potential for groundwater recharge and Zone 7 indicates the lowest potential as mapped by Keefer and Berg (1990). Groundwater recharge potential information is provided for a general regional perspective only, as this map was prepared at a scale of 1:1,000,000 and is not applicable on a site-specific basis.

The project area does not fall within the Mahomet aquifer sole-source boundaries as defined by the US Environmental Protection Agency (USEPA), the only sole-source aquifer in Illinois according to the USEPA's list of designated sole-source aquifers as defined by Section 1424(E) of the Safe Drinking Water Act, and so the proposed project will not affect any such aquifers in Illinois.

Groundwater Protection Areas. There are no public water wells within 1,000 feet of the project, and no IDOT facility work is planned for the proposed project. Therefore, no impact is anticipated on any setback zones as determined by the Illinois Environmental Protection Agency (IEPA) Division of Public Water Supplies.

Potential for Contamination of Shallow Aquifers. The project area is located in Zone E, according to the map "Potential for contamination of shallow aquifers from land burial of municipal wastes" (Berg et al., 1984). Zone E is described as uniform, relatively impermeable silty or clayey till at least 50 feet thick; no evidence of interbedded sand and gravel. On a scale of A to G, Zone A indicates the highest potential for contamination and Zone G the lowest. This information is provided for a general regional perspective only, as the map was prepared at a scale of 1:500,000 and is not applicable on a site-specific basis. No borings were made to a depth to verify the geology of this site.

Well Information. No water wells plot within the project area. No water wells are located within a 0 to 0.125 mile radius from the target property. No water wells are located within a 0.125 to 0.25 mile radius from the target property. Three (3) water wells are located within a 0.25 to 0.50 mile radius from the target property. Twenty-four (24) water wells are located within a 0.50 to 1.00 mile radius from the target property. One (1) state oil/gas well is located within a 0.50 to 1.00 mile radius from the target property. No federal U.S. Geological Survey (USGS) wells were found within a 1.00 mile radius of the target property. One (1) federal public water supply system was found within a 0.5 to 1.00 mile radius of the target property. (*EDR GeoCheck-Physical Setting*, October 2019).

4.0 NATURAL FEATURES AND HAZARDS

Wetlands. According to National Wetlands Inventory, one wetland has been mapped in the project area. The freshwater forested/shrub wetland (PFO1A) is associated with KillJordan Creek. The creek crosses the northern portion of the project area at McArthur Street. The wetland maps were defined primarily by aerial photographs, which may reflect conditions specific to the year or season that the photography was completed. Therefore, wetland areas may be either overstated or missing entirely.

Floodplains. According to Federal Emergency Management Agency Flood Map Service Center, no floodplains are within the project area. The City of Macomb is not included in the mapped area.

Seismic Risk. According to the USGS Simplified 2014 Hazard Map (PGA, 2 percent in 50 years), the project is located in the second to lowest hazard level. Not applicable to the project area.

Landslides. Not applicable to the project area.

Karst Region. According to the map by Weibel and Panno (1997), McDonough County is predominately noncarbonated bedrock; however, just south of the City of Macomb and extending southwest, there is an area of predominantly carbonate bedrock. No karst features are mapped near the project area. Karst information is provided for a general regional perspective only, as this map was prepared at a scale of 1:500,000 and is not applicable on a site-specific basis.

5.0 PROJECT SITES

Sites are described in a counter-clockwise direction, starting with the intersection of McArthur Street and West Kelly Street along the northern boundary of the project area. Exhibit C contains a map of all sites discussed in this report. Site reconnaissance for this project was conducted on October 1, 2019. Exhibit D contains photographs of the project area and surrounding properties, as well as the Field Survey Checklist used as a guide during site reconnaissance.

Environmental Data Resources (EDR), Inc. was contracted by KEG on October 7, 2019 to complete a database search of federal, state, local, and tribal environmental records for the project area. A target property is required for the EDR records review. For this project, the target property was Johnson Street/West Grant Street, Macomb, IL 61455. The search covered all lists required by ASTM E 1527-13 to the required approximate minimum search distance. A complete copy of the EDR reports are included in Exhibit E.

Data Gaps Applicable to the Entire Project Area

The following data gaps applicable to the entire project area were noted for this project. Data gaps specific to individual sites are discussed in the site write-ups below.

- An environmental lien and AUL search was not conducted for the project area.
- No previous environmental investigations were reviewed for this report.
- Aerial photographs provided information only for those specific times covered by the photographs, as noted in the Information Sources section. No records were available for intervening years, and other land uses could have occurred in these years.

Project Area. South Johnson Street from Harmony Lane to West Grant Street, West Grant Street from just west of South Johnson Street to South McArthur Street, and South McArthur Street from West Grant Street to West Kelly Street, Macomb, Illinois, 61455. The project area consists of three, two or three lane streets in an urban setting with sidewalks. The site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts the site as a road. The site remains relatively unchanged from 1941 to 2017.

REC(s): No RECs were identified at this site.

De minimis condition(s): None.

Site 1. Residence, 860 South McArthur Street, Macomb, Illinois, 61455. This site is occupied by a residence. The site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts the site as an agricultural field. In 1973, the site is occupied by a structure, and appears unchanged to present day.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however this structure appears to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 2. Vacant Lot, 222 West Grant Street, Macomb, Illinois, 61455. This site is occupied by a vacant lot. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts the site as an agricultural field, with a structure located along the northeastern portion of the parcel. In 1973, no structure is located in the northeastern portion of the parcel; however, another structure is present in the southwestern quadrant of the parcel. In a 2011 photograph, the building is no longer present. The site remains relatively unchanged from 2011 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use.

Site 3. Residence, 236 West Grant Street, Macomb, Illinois, 61455. This site is occupied by a residence. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts the site mostly agricultural, with a possible structure located where the residence is located today (resolution on imagery is low). The site remains relatively unchanged from 1956 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however this structure appears to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 4. Countryview Care Center of Macomb, 400 West Grant Street, Macomb, Illinois, 61455. This site is occupied by a nursing home. This site did not appear on any of the regulatory lists checked for this project.

In an aerial photo from 1941, the site is agricultural, and remains relatively unchanged in 1956. In 1973, the building and parking lot appears to be the same as present-day. The site remains relatively unchanged from 1973 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

The building on this site may contain friable asbestos-containing materials (ACMs) as a component of floor tiles, wall or pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but not from use in commercial properties; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Potential ACMs and lead paint; likely pesticide and/or herbicide use.

Site 5. Institutional Building, 401 West Grant Street, Macomb, Illinois, 61455. This site is occupied by a building. This site did not appear on any of the regulatory lists checked for this project.

In a 1941 aerial photo, the site is agricultural. In 1973, a road is present from West Grant Street to Johnson Street. In 1994, the structure is present. The site remains relatively unchanged from 1994 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however this structure appears to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 6. Agricultural Field, 401 West Grant Street, Macomb, Illinois, 61455. This site is occupied by an agricultural field. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an undeveloped agricultural field. In 1986, the agricultural field appears to be the same as present-day. The site remains relatively unchanged from 1986 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use.

Site 7. Residences, 1100, 1106, 1112, 1118, 1124, 1130, 1200, and 1206 South Johnson Street, Macomb, Illinois, 61455. This site is occupied by residences. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an agricultural field. In 1956, several of the structures are present. By 1973, all of the structures appear to be present. The site remains relatively unchanged from 1973 to 2017. In 2005 and 2007 aerial photos, there are several cars visible on the lot occupied at 1112 South Johnson Street. Cars are still present at this address present day.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019; however, two transformers were observed.

Lead paint was banned for residential use in the United States in 1978, however these structures appear to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 8. Residence, 1224 South Johnson Street, Macomb, Illinois, 61455. This site is occupied by a residence. This site appeared on one regulatory list checked for this project.

Under the address “1224 South Johnson Street”, this site appears on the Clandestine Drug Laboratory (CDL) database (Incident Number: 907111402M, Incident Date: July 8, 2014). No further information was available.

A 1941 aerial photo depicts an agricultural field. In 1973, a structure is present and appears to be the same as present-day. The site remains relatively unchanged from 1973 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however this structure appears to be built prior to 1978; therefore, lead paint may be present.

REC(s): This site is listed on the CDL database. KEG is of the opinion, the project is not likely to pose a threat to the subsurface conditions of the site based upon the overall scope of the project at this location.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 9. Agricultural Field, 2047 Wear Avenue, Macomb, Illinois, 61455. This site is occupied by an agricultural field and residence. For purposes of this PESA, the residence is outside the project limits and will not be impacted as part of this project and is not discussed further. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an agricultural field with structures. The site remains relatively unchanged from 1956 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use.

Site 10. Greenview Estates Mobile Park, 1400 South Johnson Street, Macomb, Illinois, 61455. This site is occupied by residential manufactured homes. This site appeared on one regulatory list checked for this project.

Under the name "Laken" and the address "1400 South Johnson Street", this site appears on the Bureau of Land Inventory (BOL) database (Site ID: 170000655342; Inventory Number: 1090350034).

A 1941 aerial photo depicts an agricultural field. In 1973, the manufactured homes and driveways are present. The site remains relatively unchanged from 1973 to 2017, with more manufactured homes present on the site.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however these structures were present prior to 1978; therefore, lead paint may be present.

REC(s): This site is listed on the BOL database. KEG is of the opinion, the project is not likely to pose a threat to the subsurface conditions of the site based upon the overall scope of the project at this location.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 11. Residences, 172 and 173 Harmony Lane, Macomb, Illinois, 61455. This site is occupied by residences. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an agricultural field. In 1973, the residential structure on the north portion of the site and Harmony Lane are present. In 2005, the residence on the south portion of the site is present. The site remains relatively unchanged from 2005 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019; however, one transformer was observed.

Lead paint was banned for residential use in the United States in 1978, however these structures appear to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

Site 12. Agricultural Fields, Macomb, Illinois, 61455. This site is occupied by agricultural fields. An access road to a church located further east is also located on this site. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an agricultural field. In 1956, structures are present in the southwestern corner of the site. In 1994, these structures appear to be gone. In 2011, the access road is present. The site remains relatively unchanged from 2011 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use.

Site 13. Macomb High School, 1525 South Johnson Street, Macomb, Illinois, 61455. This site is occupied by a school and associated recreational facilities. This site appeared on five of the regulatory lists checked for this project.

Under the name “Macomb High School” and the address “1525 S Johnson St”, this site appears on the Asbestos database (Site ID: 170000655985). Additionally, under this name, the site appears on the BOL database (Site ID: 170000655985, Inventory Number: 1090355068), the RCRA-Small Quantity Generator (SQG) database (EPA ID: ILR000075606), the Facility Index System (FINDS) database (Registry ID: 110021547575), and the ECHO database (Envid: 1008260612; Registry ID: 110021547575). The FINDS database contains both facility information and “pointers” to other sources of information that contain more detail. A SQG generates between 100 kg and 1,000 kg of hazardous waste per month.

A 1941 aerial photo depicts an agricultural field for most of the site, with a track present in the northwestern portion of the site. In 1956, the track is gone, and various small structures appear on the western portion of the site near South Johnson Street. In 1973, the high school building and parking lot are present, as well as a baseball diamond and track in the northwestern portion of the site. By 1986, a baseball diamond was added in the northeast and southwest portion of the site. In an aerial photograph from 1998, an additional baseball diamond is present in the southern portion of the site. The site remains relatively unchanged from 1998 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

The building on this site may contain friable ACMs as a component of floor tiles, wall or pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned for residential use in the United States in 1978, but not from use in commercial properties; therefore, lead paint may be present.

REC(s): This site appeared on the Asbestos, BOL, RCRA-SQG, FINDS and ECHO databases. KEG is of the opinion, the project is not likely to pose a threat to the subsurface conditions of the site based upon the overall scope of the project at this location.

De minimis condition(s): Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.

Site 14. MacArthur Early Childhood Center, 235 West Grant Street, Macomb, Illinois, 61455.

This site is occupied by an early childhood center. This site appeared on one regulatory list checked for this project.

Under the name "MacArthur School" and the address "235 W Grant St", this site appears on the Underground Storage Tank (UST) database (Facility ID: 3030027). This site contains one 4,000 gallon heating oil tank, abandoned in place on January 1, 1975. No further information was available in OSFM files.

A 1941 aerial photo depicts a track present. In 1956, a building, parking lot, and an access road are present, with the track is no longer present. The site remains relatively unchanged from 1956 to 2017.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

The buildings on this site may contain friable ACMs as a component of floor tiles, wall or pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned from residential use in the United States in 1978, but not from use in commercial properties; therefore, lead paint may be present.

REC(s): This site appeared on the UST database. Due to the overall scope of the project at this location, a Preliminary Site Investigation (PSI) will be required to determine soil and environmental impacts, special waste handling requirements, and construction worker safety considerations.

De minimis condition(s): Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.

Site 15. Macomb Armory, 135 West Grant Street, Macomb, Illinois, 61455. This site is occupied by a US National Guard armory and supporting out-buildings. This site appeared on two regulatory lists checked for this project.

Under the name "FMS 21 Macomb" and the address "135 West Grant", this site appears on the UST database (Facility ID: 3006889). According to the Office of the State Fire Marshal (OSFM), the site has three USTs. Tank 1 is a 2,000 gallon gasoline tank, removed on December 22, 1992. Tank 2 is a 10,000 gallon heating oil tank, removed on March 9, 1995. Tank 3 is a 2,500 gallon ultra-low sulfur diesel tank, which is currently in use.

Under the name “IL ARNG FMS 21” and the address “135 W Grant St”, this site appears on the RCRA-Very Small Quantity Generators (VSQG) database (EPA ID: ILD980825384). VSQGs generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A 1941 aerial photo depicts a portion of a track present. In 1956, structures and a parking lot are present on the site. The site remains relatively unchanged from 1973 to 2017, with the exception of a parking lot in the northern portion of the site.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

The buildings on this site may contain friable ACMs as a component of floor tiles, wall or pipe insulation, roof materials, patching or painting compounds, ceiling materials, or stove and furnace insulation. Lead paint was banned from residential use in the United States in 1978, but not from use in commercial properties; therefore, lead paint may be present in these buildings.

REC(s): This site appeared on the UST and RCRA-VSQG databases. Due to the overall scope of the project at this location, a PSI will be required to determine soil and environmental impacts, special waste handling requirements, and construction worker safety considerations.

De minimis condition(s): Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.

Site 16. Residences, 130 West Grant Street, 827, 901, 903, and 909 South McArthur Street, Macomb, Illinois, 61455. This site is occupied by residences. This site did not appear on any of the regulatory lists checked for this project.

A 1941 aerial photo depicts an agricultural field. In a 1956 aerial image, disturbance is visible at the site, however it is difficult to determine if any structures are present. In 1973, several structures are present. By 1998, all of the buildings appear to be the same as present day.

No visual evidence of stressed vegetation, pits or depressions, mounding or soil piles, lagoons or surface impoundments, stained soil or pavement, water discoloration, fill, storage tanks (above or underground), pumps or dispensers, protruding pipes, pipelines, drums, monitoring wells, solid waste, transformers, non-petroleum chemical use or storage, or unusual or noxious odors was observed at this site during a site inspection by KEG on October 1, 2019.

Lead paint was banned for residential use in the United States in 1978, however some structures appear to be built prior to 1978; therefore, lead paint may be present.

REC(s): No RECs were identified at this site.

De minimis condition(s): Likely pesticide and/or herbicide use and potential lead paint.

6.0 ADJOINING SITES

EDR was contracted by KEG to complete a database search of federal, state, and other environmental databases for reported environmental concerns on sites adjoining the project. Sites along the project are listed in the preceding section. Sites adjoining the project that do not appear on regulatory databases are not included. The following sites adjoining but not along, the project were identified.

Federal Records

CERCLIS: NPL, Active, and Archived
None.

RCRA sites subject to corrective action (CORRACTS)
None.

RCRA sites – non-CORRACTS TSD
None.

RCRA sites – other
None.

Brownfields pilot sites
None.

Non-LUST releases
None.

State Records

Aboveground storage tanks (AST)
None.

Leaking underground storage tanks (LUST)
None.

Registered underground storage tanks (UST)
None.

Landfills, disposal sites, and solid waste management facilities
None.

Activity and Use Limitations (including institutional controls, engineered barriers, and Highway Authority Agreements)
None.

Brownfields
None.

IEPA Bureau of Land Inventory
None.

IEPA Site Remediation Program
None.

Non-LUST releases
None.

Municipal Records
None.

Tribal Records

There are no tribally owned lands in the state of Illinois; therefore, the checking of tribal records is not applicable for this report.

7.0 ORPHAN SITES

Orphan sites are those that did not contain sufficient information to determine the incident location. Regulatory files for orphan sites were only reviewed if, in the judgment of the project manager, the site had a reasonable probability of being in the project area. The following sites had a reasonable probability of being in the project area. Other orphan sites, not listed below, may be present in the project area as well.

- Macomb National Guard Armory, West Grant Street, Macomb, Illinois 61455. AIRS.
- Unnamed, 518 Johnson Street, Macomb, Illinois 61455. CDL.

8.0 CONCLUSIONS

1) No RECs were identified within the project area.

2) RECs were identified at the following sites along the project:

- **Site 8. Residence.** The EDR Report identified this site on the CDL database. However, KEG is of the opinion, the project is not likely to pose a threat to the conditions of the site based upon the overall scope of the project at this location.
- **Site 10. Residence.** The EDR Report identified this site on the BOL database. However, KEG is of the opinion, the project is not likely to pose a threat to the subsurface conditions of the site based upon the overall scope of the project at this location.
- **Site 13. Macomb High School.** The EDR Report identified this site on the Asbestos, BOL, RCRA-SQG, FINDS, and ECHO databases. However, KEG is of the opinion, the project is not likely to pose a threat to the subsurface conditions of the site based upon the overall scope of the project at this location.
- **Site 14. MacArthur Early Childhood Center.** The Illinois OSFM UST database identified one UST at this site; however, it has been abandoned in place. Due to the overall scope

of the project at this location, a PSI will be required to determine soil and environmental impacts, special waste handling requirements, and construction worker safety considerations.

- **Site 15. Macomb Armory.** The Illinois OSFM UST database identified three USTs at this site; however, only one of the three identified USTs is currently in use. The EDR Report identified this site on the RCRA-VSQG database. Due to the overall scope of the project at this location, a PSI will be required to determine soil and environmental impacts, special waste handling requirements, and construction worker safety considerations.

3) De minimis conditions were identified at the following sites along the project:

- **Site 1. Residence.** Likely pesticide and/or herbicide use; potential lead paint.
- **Site 2. Agricultural Field.** Likely pesticide and/or herbicide use.
- **Site 3. Residence.** Likely pesticide and/or herbicide use; potential lead paint.
- **Site 4. Countryview Care Center of Macomb.** Potential ACMs and lead paint; likely pesticide and/or herbicide use.
- **Site 5. Institutional Building.** Likely pesticide and/or herbicide use.
- **Site 6. Agricultural Field.** Likely pesticide and/or herbicide use.
- **Site 7. Residences.** Likely pesticide and/or herbicide use.
- **Site 8. Residence.** Likely pesticide and/or herbicide use and potential lead paint.
- **Site 9. Agricultural Field.** Likely pesticide and/or herbicide use and potential lead paint.
- **Site 10. Residence.** Likely pesticide and/or herbicide use and potential lead paint.
- **Site 11. Residences.** Likely pesticide and/or herbicide use and potential lead paint.
- **Site 12. Agricultural Field.** Likely pesticide and/or herbicide use.
- **Site 13. Macomb High School.** Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.
- **Site 14. MacArthur Early Childhood Center.** Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.
- **Site 15. Macomb Armory.** Likely pesticide and/or herbicide use, potential ACM, and potential lead paint.
- **Site 16. Residences.** Likely pesticide and/or herbicide use and potential lead paint.

4) No sites were identified that appear on environmental databases and are adjoining, but not

along, the project.

5) For the purposes of this report, the following are considered to be de minimis conditions:

- Normal use of lead-based paint on exteriors and interiors of buildings and structures.
- Use of asbestos-containing materials in building construction.
- Transformers in normal use, unless the transformers were observed to be leaking, appear on an environmental regulatory list, or were otherwise determined to pose a hazard not related to normal use.
- Agricultural use of pesticides and herbicides. In addition, most land in Illinois was under agricultural use prior to its conversion to residential, industrial, or commercial development. Pesticides, both regulated and otherwise, may have been used throughout the project area at any time. Unless specifically discussed elsewhere in this report, no information regarding past pesticide use that would be subject to enforcement action was located for this project, and such use is considered a de minimis condition.

9.0 ENDORSEMENTS

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. Furthermore, I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

The preceding report has been prepared in general conformance with standard industry practice for performance of Environmental Site Assessments and includes the applicable portions of the investigation procedures codified in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The end user of this report may rely on the contents, findings, and conclusions to be accurate within the limitations stated in this report and in the ASTM standard.



Qualified Environmental Professional
Mr. Kent Ahrenholtz, P.E.

10.0 LIMITATIONS

This report has been prepared for the exclusive use of IMEG Corporation. Our services were performed in accordance with a specific scope of work and are subject to the terms and conditions agreed to as part of that scope of work. KEG is not responsible for independent conclusions or recommendations made by others. The findings of this report are valid as of the present date of the assessment.

11.0 ADDRESS LISTING

The following addresses along the project were evaluated for this project. Addresses of sites, if any, adjoining but not along the project are not listed here; see text for discussion of these sites.

Property Name and Address	KEG Site #	Parcel #
Residence 860 South McArthur Street, Macomb, Illinois	1	11-400-828-00
Vacant Lot 222 West Grant Street, Macomb, Illinois	2	11-400-012-00
Residence 236 West Grant Street, Macomb, Illinois	3	11-400-010-00
Countryview Care Center of Macomb 400 West Grant Street, Macomb, Illinois	4	11-400-806-00
Institutional Building 401 West Grant Street, Macomb, Illinois	5	11-401-020-10
Agricultural Field 401 West Grant Street, Macomb, Illinois	6	11-401-020-00
Residences 1100, 1106, 1112, 1118, 1124, 1130, 1200, and 1206 South Johnson Street, Macomb, Illinois	7	11-401-021-00 11-401-022-00 11-401-023-00 11-401-023-05 11-401-300-00 11-401-230-00 11-401-228-00 11-401-286-00
Residence 1224 South Johnson Street, Macomb, Illinois	8	11-401-295-00
Agricultural Field 207 Wear Avenue, Macomb, Illinois	9	11-401-283-00
Greenview Estates Mobile Home Park 1400 South Johnson Street, Macomb, Illinois	10	11-401-212-00
Residences 172 and 173 Harmony Lane, Macomb, Illinois	11	11-401-329-00 11-401-330-00
Agricultural Field Macomb, Illinois	12	17-000-097-00 17-000-049-00
Macomb High School 1525 South Johnson Street, Macomb, Illinois	13	11-401-282-00 11-401-281-00
MacArthur Early Childhood Center 235 West Grant Street, Macomb, Illinois	14	11-401-281-00
Macomb Armory 135 West Grant Street, Macomb, Illinois	15	11-401-280-00
Residences 130 West Grant Street, 827, 901, 903, 909 South McArthur Street, Macomb, Illinois	16	11-400-004-00 11-400-008-00 11-400-007-00 11-400-009-05 11-400-815-05

12.0 INFORMATION SOURCES

Website addresses listed below were accurate and active as of the date viewed or cited in the Appendix; however, websites change frequently and web addresses may be different in the future or may cease to exist entirely.

ASTM Standard E1527, 2013. "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process", ASTM International, West Conshohocken, PA., 2013, DOI: 10.1520/E1527, www.astm.org.

Berg, R.C., and Kempton, J.P. (1988). Stack-unit mapping of geologic materials in Illinois to a depth of 15 meters. Illinois State Geological Survey Circular 542. GIS data produced from publication plates (1995, revised 1998).

Berg, R.C., Kempton, J.P., and Cartwright, K. (1984). Potential for contamination of shallow aquifers from land burial of municipal wastes (1:500,000). Illinois State Geological Survey Circular 532.

Environmental Data Resources, Inc., October 17, 2019. Certified Sanborn® Map Report.

Environmental Data Resources, Inc., October 8, 2019. The EDR Aerial Photo Decade Package.

Environmental Data Resources, Inc., October 7, 2019. The EDR Radius Map™ Report with GeoCheck®.

Environmental Data Resources, Inc., October 7, 2019. The EDR Historical Topo Map Report with QuadMatch™.

Erdmann, A.L., Adomaitis, D.J., Bannon-Nilles, P.L., Kientop, G.A., and Schmidt, D.R., 2014. A manual for conducting preliminary environmental site assessments for Illinois Department of Transportation infrastructure projects. Illinois State Geological Survey Circular 585. 38 pp.

Federal Emergency Management Agency (FEMA), 2019. FEMA Flood Map Service Center. Web site accessed October 7, 2019. <https://msc.fema.gov/portal/home>.

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Illinois State Geological Survey (ISGS), 2005. Bedrock Geology of Illinois map. Accessed via website on October 7, 2019. <http://isgs.illinois.edu/sites/isgs/files/maps/statewide/imap14-front.pdf>

ISGS, 1997. Karst Terrains and Carbonate Rocks of Illinois map. Accessed via website on October 30, 2019. <https://www.isgs.illinois.edu/sites/isgs/files/maps/statewide/imap8.pdf>

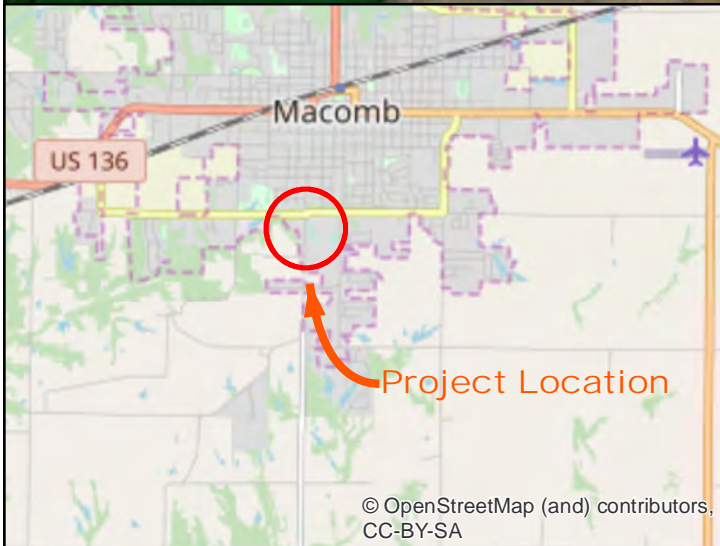
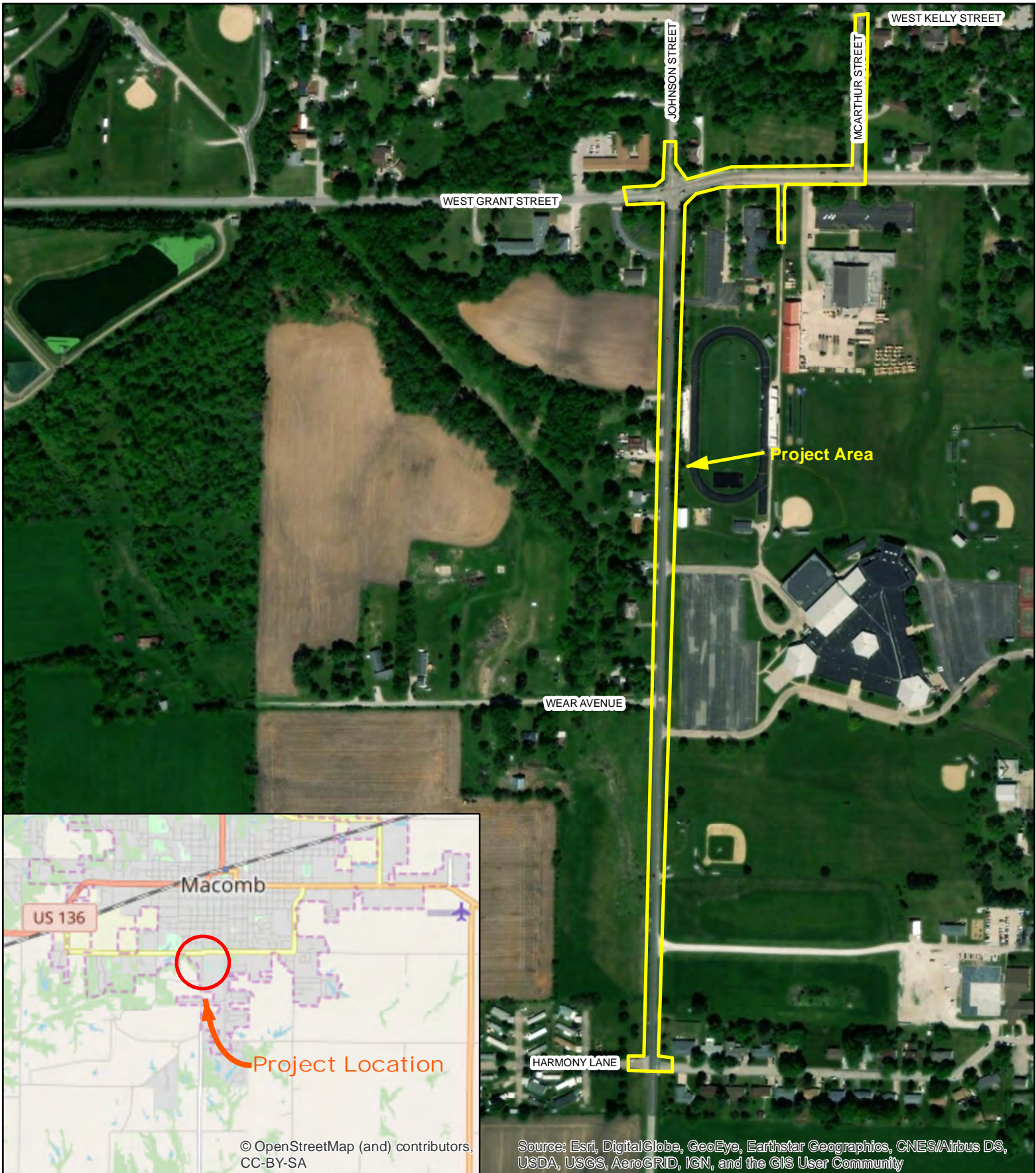
ISGS, 2000. Surficial Deposits of Illinois map. Accessed via website on October 7, 2019. <http://isgs.illinois.edu/sites/isgs/files/maps/statewide/ofs2000-07.pdf>.

NRCS, 2019. Web Soil Survey. Web site accessed October 7, 2019. <http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>.

U.S. Fish and Wildlife Service, National Wetlands Inventory. Wetlands Mapper. Web site accessed October 7, 2019. <http://www.fws.gov/wetlands/Data/Mapper.html>.

USGS, 2014 Hazard Map (PGA, 2% in 50 years). Website accessed October 30, 2019. https://earthquake.usgs.gov/hazards/hazmaps/conterminous/2014/images/HazardMap2014_lq.jpg

EXHIBIT A
LOCATION MAP



© OpenStreetMap (and) contributors, CC-BY-SA

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Exhibit A
PESA Location Map
McArthur Street, West
Grant Street, and Johnson
Street Improvements
Macomb, Illinois

0 170 340 680 Feet



Kaskaskia
 Engineering Group, LLC

208 East Main Street, Suite 100
 Belleville, Illinois 62220
 618.233.5877 phone
 618.233.5977 fax
 www.kaskaskiaeng.com

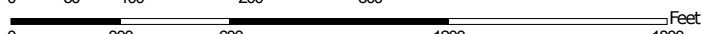
EXHIBIT B

NRCS WEB SOIL SURVEY DATA

Depth to Water Table—McDonough County, Illinois
































Map Scale: 1:6,320 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)	 Not rated or not available
 Area of Interest (AOI)	
Soils	Water Features
Soil Rating Polygons	 Streams and Canals
 0 - 25	Transportation
 25 - 50	 Rails
 50 - 100	 Interstate Highways
 100 - 150	 US Routes
 150 - 200	 Major Roads
 > 200	 Local Roads
 Not rated or not available	Background
	 Aerial Photography
Soil Rating Lines	
 0 - 25	
 25 - 50	
 50 - 100	
 100 - 150	
 150 - 200	
 > 200	
 Not rated or not available	
Soil Rating Points	
 0 - 25	
 25 - 50	
 50 - 100	
 100 - 150	
 150 - 200	
 > 200	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McDonough County, Illinois
 Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Feb 2, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	46	0.7	7.8%
43A	Ipava silt loam, 0 to 2 percent slopes	46	0.6	6.6%
43B	Ipava silt loam, 2 to 5 percent slopes	46	0.0	0.2%
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded	46	1.1	12.6%
68A	Sable silty clay loam, 0 to 2 percent slopes	15	0.9	10.4%
86B	Oско silt loam, 2 to 5 percent slopes	153	0.8	9.6%
257A	Clarksdale silt loam, 0 to 2 percent slopes	38	2.6	30.3%
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	46	0.2	1.7%
675B	Greenbush silt loam, 2 to 5 percent slopes	153	1.8	20.8%
Totals for Area of Interest			8.7	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

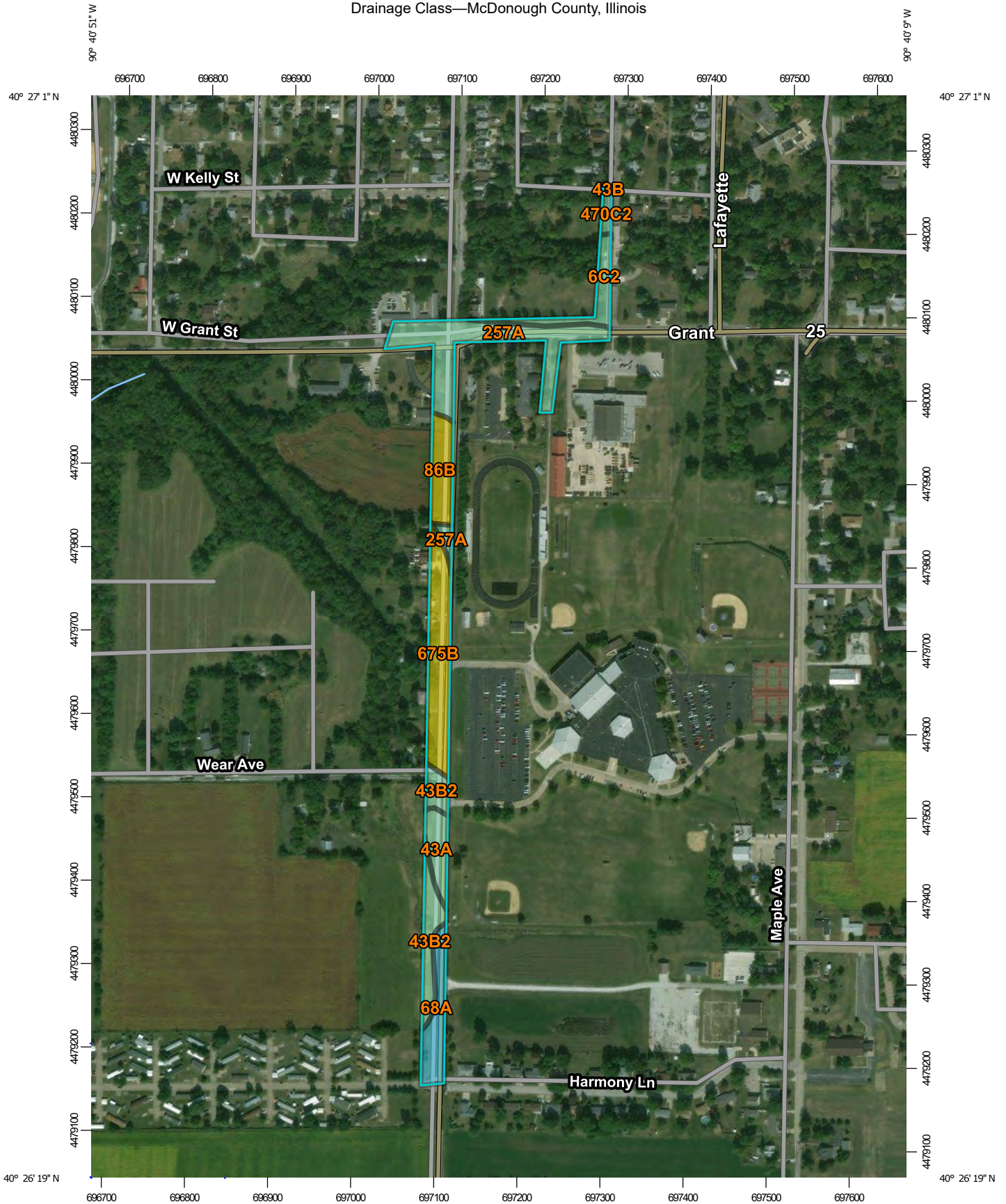
Tie-break Rule: Lower

Interpret Nulls as Zero: No

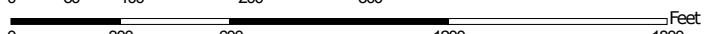
Beginning Month: January

Ending Month: December

Drainage Class—McDonough County, Illinois




Map Scale: 1:6,320 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available

Soil Rating Lines

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available



Soil Rating Points

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McDonough County, Illinois
 Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Feb 2, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	Somewhat poorly drained	0.7	7.8%
43A	Ipava silt loam, 0 to 2 percent slopes	Somewhat poorly drained	0.6	6.6%
43B	Ipava silt loam, 2 to 5 percent slopes	Somewhat poorly drained	0.0	0.2%
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded	Somewhat poorly drained	1.1	12.6%
68A	Sable silty clay loam, 0 to 2 percent slopes	Poorly drained	0.9	10.4%
86B	Oscos silt loam, 2 to 5 percent slopes	Well drained	0.8	9.6%
257A	Clarksdale silt loam, 0 to 2 percent slopes	Somewhat poorly drained	2.6	30.3%
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	Somewhat poorly drained	0.2	1.7%
675B	Greenbush silt loam, 2 to 5 percent slopes	Well drained	1.8	20.8%
Totals for Area of Interest			8.7	100.0%

Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

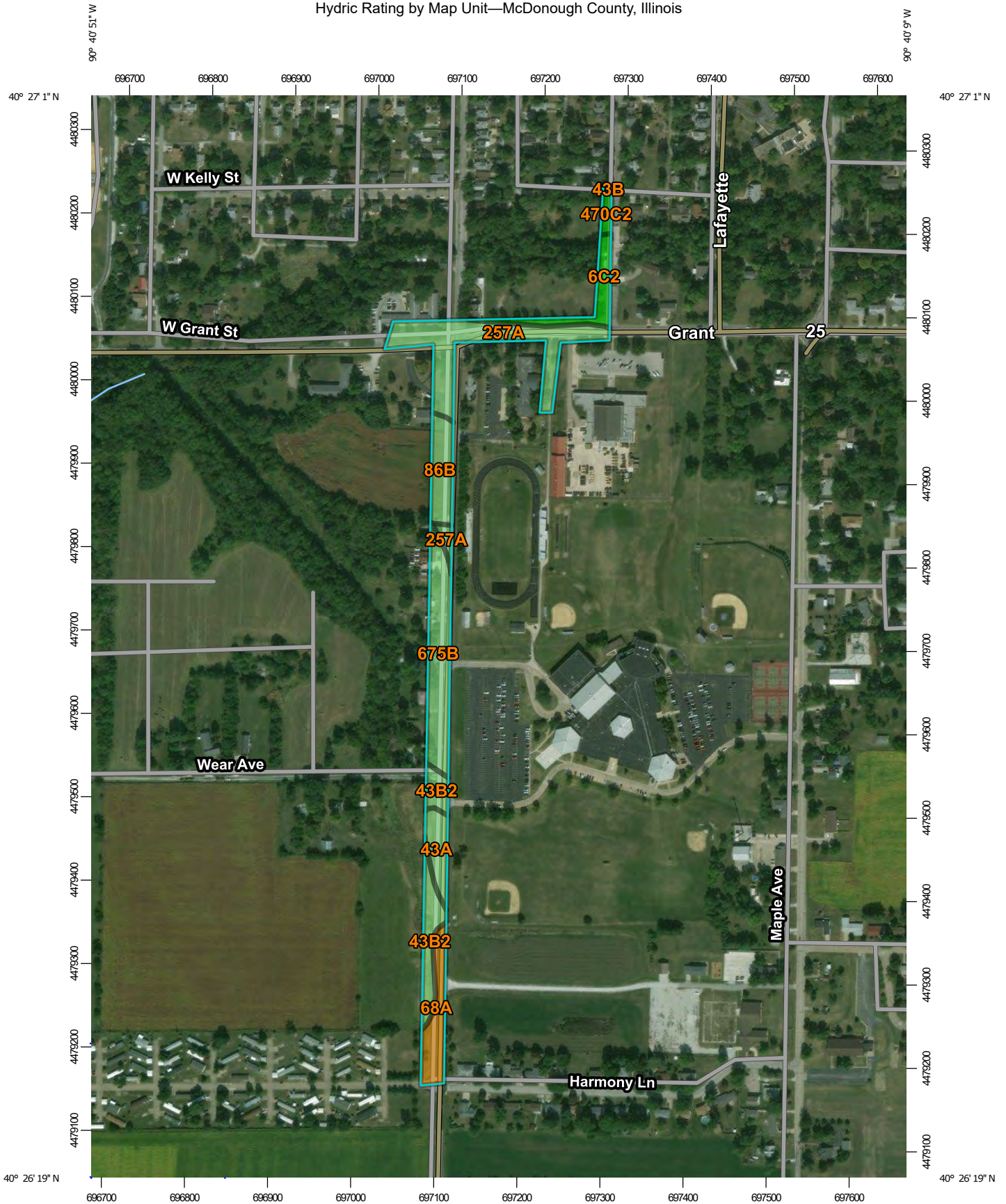
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Hydric Rating by Map Unit—McDonough County, Illinois



Map Scale: 1:6,320 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters


0 300 600 1200 1800 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84









MAP LEGEND

Area of Interest (AOI)







 Area of Interest (AOI)

Soils







Soil Rating Polygons

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available


Soil Rating Lines

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available






Soil Rating Points

 Hydric (100%)
 Hydric (66 to 99%)
 Hydric (33 to 65%)
 Hydric (1 to 32%)
 Not Hydric (0%)
 Not rated or not available


Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McDonough County, Illinois
 Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Feb 2, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	0	0.7	7.8%
43A	Ipava silt loam, 0 to 2 percent slopes	15	0.6	6.6%
43B	Ipava silt loam, 2 to 5 percent slopes	15	0.0	0.2%
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded	5	1.1	12.6%
68A	Sable silty clay loam, 0 to 2 percent slopes	85	0.9	10.4%
86B	Oscos silt loam, 2 to 5 percent slopes	4	0.8	9.6%
257A	Clarksdale silt loam, 0 to 2 percent slopes	4	2.6	30.3%
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	0	0.2	1.7%
675B	Greenbush silt loam, 2 to 5 percent slopes	2	1.8	20.8%
Totals for Area of Interest			8.7	100.0%

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

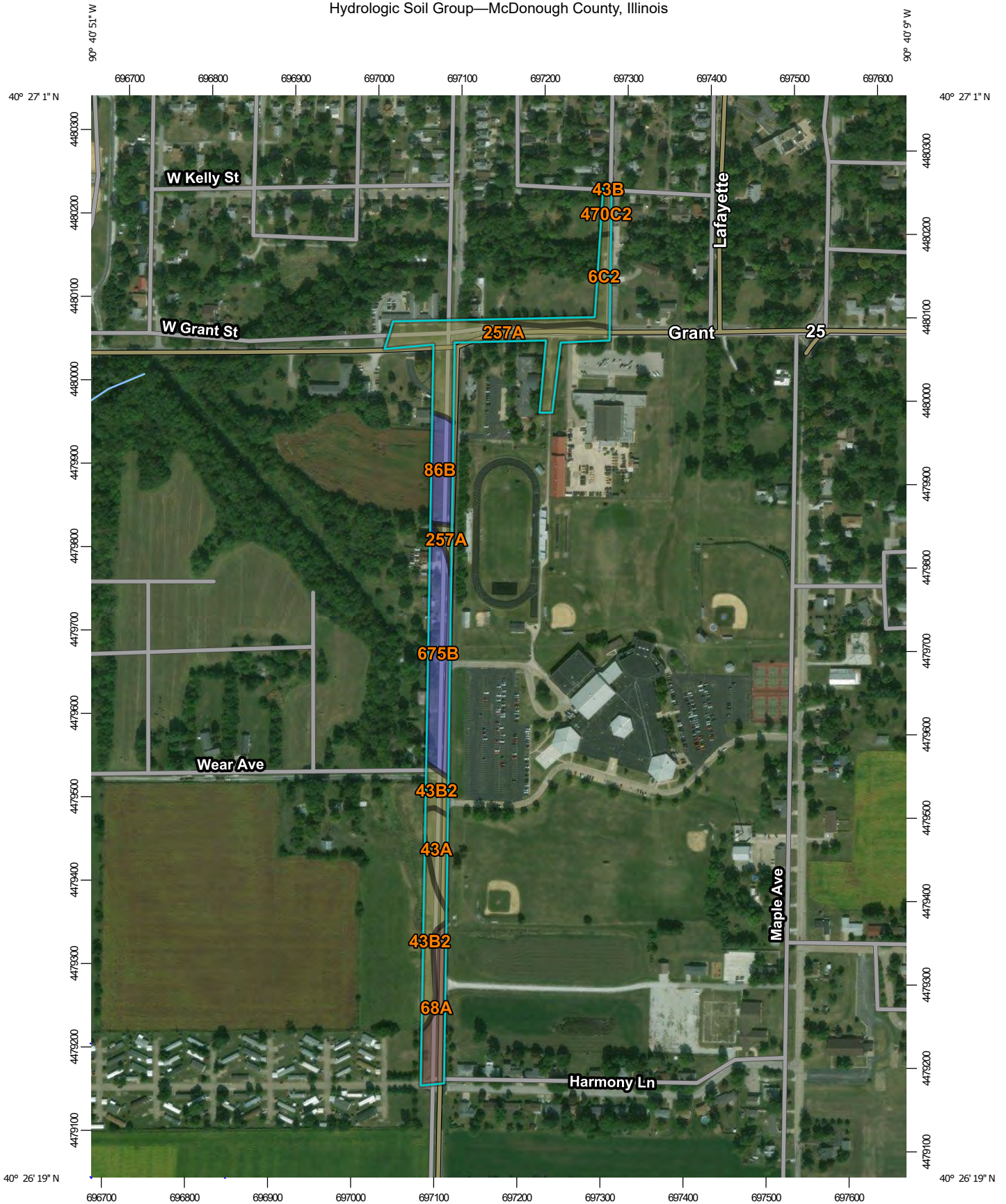
Rating Options

Aggregation Method: Percent Present

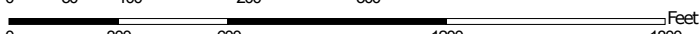
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Hydrologic Soil Group—McDonough County, Illinois



Map Scale: 1:6,320 if printed on A portrait (8.5" x 11") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



MAP LEGEND

Area of Interest (AOI)









 Area of Interest (AOI)

Soils

Soil Rating Polygons





 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Lines

 A
 A/D
 B
 B/D
 C
 C/D
 D
 Not rated or not available

Soil Rating Points




 A
 A/D
 B
 B/D

 C
 C/D
 D
 Not rated or not available


Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

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The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	C/D	0.7	7.8%
43A	Ipava silt loam, 0 to 2 percent slopes	C/D	0.6	6.6%
43B	Ipava silt loam, 2 to 5 percent slopes	C/D	0.0	0.2%
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded	C/D	1.1	12.6%
68A	Sable silty clay loam, 0 to 2 percent slopes	B/D	0.9	10.4%
86B	Oscos silt loam, 2 to 5 percent slopes	B	0.8	9.6%
257A	Clarksdale silt loam, 0 to 2 percent slopes	C/D	2.6	30.3%
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	C/D	0.2	1.7%
675B	Greenbush silt loam, 2 to 5 percent slopes	B	1.8	20.8%
Totals for Area of Interest			8.7	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

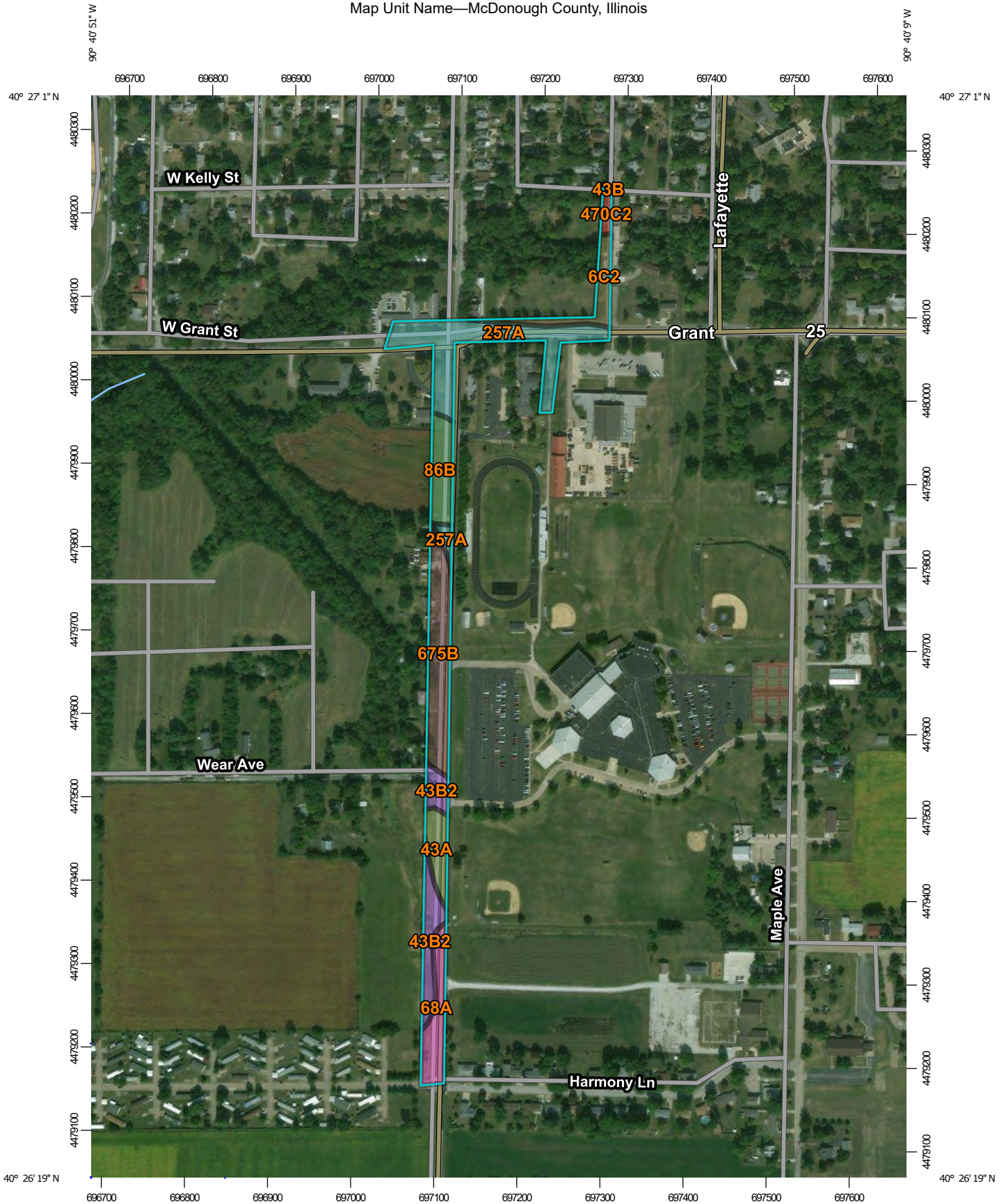
If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher



Map Scale: 1:6,320 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters


0 300 600 1200 1800 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84













MAP LEGEND

Area of Interest (AOI)


 Area of Interest (AOI)










Soils

Soil Rating Polygons





-  Clarksdale silt loam, 0 to 2 percent slopes
-  Fishhook silt loam, 5 to 10 percent slopes, eroded
-  Greenbush silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 0 to 2 percent slopes
-  Ipava silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 2 to 5 percent slopes, eroded
-  Keller silt loam, 5 to 10 percent slopes, eroded
-  Osco silt loam, 2 to 5 percent slopes
-  Sable silty clay loam, 0 to 2 percent slopes
-  Not rated or not available





Soil Rating Lines

-  Clarksdale silt loam, 0 to 2 percent slopes


-  Fishhook silt loam, 5 to 10 percent slopes, eroded
-  Greenbush silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 0 to 2 percent slopes
-  Ipava silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 2 to 5 percent slopes, eroded
-  Keller silt loam, 5 to 10 percent slopes, eroded
-  Osco silt loam, 2 to 5 percent slopes
-  Sable silty clay loam, 0 to 2 percent slopes
-  Not rated or not available

Soil Rating Points






-  Clarksdale silt loam, 0 to 2 percent slopes
-  Fishhook silt loam, 5 to 10 percent slopes, eroded
-  Greenbush silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 0 to 2 percent slopes

-  Ipava silt loam, 2 to 5 percent slopes
-  Ipava silt loam, 2 to 5 percent slopes, eroded
-  Keller silt loam, 5 to 10 percent slopes, eroded
-  Osco silt loam, 2 to 5 percent slopes
-  Sable silty clay loam, 0 to 2 percent slopes
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McDonough County, Illinois
 Survey Area Data: Version 15, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 3, 2011—Feb 2, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Name

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	Fishhook silt loam, 5 to 10 percent slopes, eroded	0.7	7.8%
43A	Ipava silt loam, 0 to 2 percent slopes	Ipava silt loam, 0 to 2 percent slopes	0.6	6.6%
43B	Ipava silt loam, 2 to 5 percent slopes	Ipava silt loam, 2 to 5 percent slopes	0.0	0.2%
43B2	Ipava silt loam, 2 to 5 percent slopes, eroded	Ipava silt loam, 2 to 5 percent slopes, eroded	1.1	12.6%
68A	Sable silty clay loam, 0 to 2 percent slopes	Sable silty clay loam, 0 to 2 percent slopes	0.9	10.4%
86B	Osco silt loam, 2 to 5 percent slopes	Osco silt loam, 2 to 5 percent slopes	0.8	9.6%
257A	Clarksdale silt loam, 0 to 2 percent slopes	Clarksdale silt loam, 0 to 2 percent slopes	2.6	30.3%
470C2	Keller silt loam, 5 to 10 percent slopes, eroded	Keller silt loam, 5 to 10 percent slopes, eroded	0.2	1.7%
675B	Greenbush silt loam, 2 to 5 percent slopes	Greenbush silt loam, 2 to 5 percent slopes	1.8	20.8%
Totals for Area of Interest			8.7	100.0%

Description

A soil map unit is a collection of soil areas or nonsoil areas (miscellaneous areas) delineated in a soil survey. Each map unit is given a name that uniquely identifies the unit in a particular soil survey area.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

EXHIBIT C

PESA SITE LOCATION MAP

NOTE: ALL SITE BOUNDARIES ARE APPROXIMATE AND SHOULD NOT BE USED AS ACTUAL PARCEL BOUNDARIES.

NORTH PROJECT LIMIT

JOHNSON STREET

MCARTHUR STREET

WEST KELLY STREET

WEST GRANT STREET

MAPLE AVENUE

WEAR AVENUE

HARMONY LANE

SOUTH PROJECT LIMIT






0 250 500 1,000 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Exhibit C
PESA Site Location Map
McArthur Street, West Grant Street, and Johnson Street Improvements
Macomb, Illinois

Legend

-  Project Limits
-  Site Along Project Contain De Minimis Conditions Only
-  Site Along Project Contains Rec



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EXHIBIT D

**SITE VISIT MATERIALS
(PHOTO LOG AND FIELD CHECKLIST)**

Photo Log

McArthur Street, West Grant Street, and Johnson Street Improvements
Photos Taken: 10/1/2019



1. Looking west along McArthur Street and West Kelly Street.



2. Looking south towards the intersection of West Kelly Street and McArthur Street.



3. Looking southwest along McArthur Street.



4. Looking northwest at the corner of West Grant Street and McArthur Street.



5. Looking west along West Grant Street.



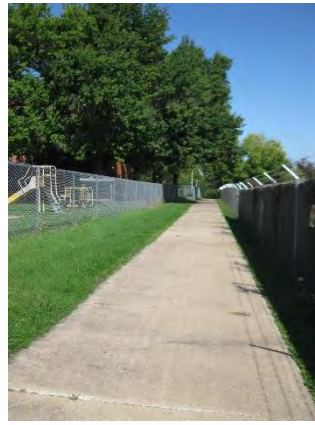
6. Looking east along West Grant Street.

Photo Log

McArthur Street, West Grant Street, and Johnson Street Improvements
Photos Taken: 10/1/2019



7. Looking south along the pedestrian entrance to the Maccomb High School.



8. Looking north along the pedestrian entrance to the Maccomb High School toward West Grant Street



9. Looking east along West Grant Street at Johnson Street.



10. Looking southeast along Johnson Street and West Grant Street.



11. Looking east along West Grant Street.



12. Looking north along Johnson Street at Harmony Lane.

Photo Log

McArthur Street, West Grant Street, and Johnson Street Improvements
Photos Taken: 10/1/2019



13. Transformer at the corner of Harmony Lane and Johnson Street.



14. Looking northwest along Johnson Street toward West Grant Street.



15. Looking south along Johnson Street towards Harmony Lane.



INITIAL FIELD SURVEY CHECKLIST
McArthur Street, West Grant Street,
and Johnson Street Improvements

DATE: October 1, 2019

BY: Molly Barletta and Amanda Frierdich

ITEM	YES	NO	UNK	COMMENT
FLORA/FAUNA				
Vegetation present		X		
Vegetation stressed		X		
Animal activity or presence		X		
NATURAL FEATURES AND CONDITIONS				
Depressions		X		
Mounding or soil piles		X		
Wetlands, ponds, lakes		X		
Rivers, streams, creeks		X		
Lagoons, surface impoundments		X		
Soil discoloration		X		
Water discoloration		X		
CULTURAL FEATURES AND CONDITIONS				
Buildings/structures		X		
Landfills		X		
Industry		X		
Asbestos source/presence		X		
Storage tanks (above or underground)		X		
Pumps/protruding pipes		X		
Drums		X		
Railroad spurs/tracks/ROW		X		
Dead end roads/trails		X		
Sewer lines		X		
Water wells		X		
Monitoring wells		X		
Septic tanks		X		
Pits/quarries		X		
Solid waste (garbage)		X		
Transformers/substations	X			Three transformers were observed along Johnson Street.
AMBIENT ENVIRONMENTAL CONDITIONS				
Unusual or noxious odors		X		
Noise pollution		X		
Dust/smoke		X		

COMMENTS: N/A

EXHIBIT E

EDR ENVIRONMENTAL DATABASE REPORTS

Macomb SRTS

Johnson Street/West Grant Street
Macomb, IL 61455

Inquiry Number: 5817969.2s
October 07, 2019

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

JOHNSON STREET/WEST GRANT STREET
MACOMB, IL 61455

COORDINATES

Latitude (North): 40.4477920 - 40° 26' 52.05"
Longitude (West): 90.6757020 - 90° 40' 32.52"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 697113.2
UTM Y (Meters): 4479843.5
Elevation: 680 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5681009 MACOMB, IL
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150821, 20150724
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 JOHNSON STREET/WEST GRANT STREET
 MACOMB, IL 61455

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MACOMB HIGH SCHOOL	1525 S JOHNSON ST	ASBESTOS, BOL	Higher	1 ft.
A2	MACOMB HIGH SCHOOL	1525 S JOHNSON ST	RCRA-SQG	Higher	1 ft.
3	MACARTHUR SCHOOL	235 W GRANT ST	UST	Higher	1 ft.
4		1224 SOUTH JOHNSON S	CDL	Higher	1 ft.
A5	LAKEN	1400 S JOHNSON	BOL	Higher	1 ft.
A6	MACOMB HIGH SCHOOL	1525 S JOHNSON ST	FINDS, ECHO	Higher	1 ft.
B7	FMS 21 MACOMB	135 WEST GRANT	UST	Lower	55, 0.010, East
B8	IL ARNG FMS 21	135 W GRANT ST	RCRA-VSQQ	Lower	55, 0.010, East
C9	EVERLY HOUSE TRUST	811 SOUTH LAFAYETTE	LUST	Higher	492, 0.093, NE
C10	EVERLY HOUSE TRUST	811 S. LAFAYETTE STR	UST	Higher	492, 0.093, NE
11	KOUKL, DAN	301 SOUTH JOHNSON ST	LUST	Higher	2389, 0.452, North
12	MCDONOUGH DIST. HOSP	525 EAST GRANT ST.	LUST	Higher	2429, 0.460, East
13	MCDONOUGH DISTRICT H	525 EAST GRANT, HEAL	LUST	Higher	2540, 0.481, East
14	CIPS TOWN GAS	305 EAST CALHOUN	EDR MGP	Higher	4386, 0.831, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SSU..... State Sites Unit Listing

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

SWF/LF..... Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge
CCDD..... Clean Construction or Demolition Debris
LF SPECIAL WASTE..... Special Waste Site List
IL NIPC..... Solid Waste Landfill Inventory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
LUST TRUST..... Underground Storage Tank Fund Payment Priority List

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Sites with Engineering Controls
INST CONTROL..... Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
SRP..... Site Remediation Program Database

State and tribal Brownfields sites

BROWNFIELDS..... Municipal Brownfields Redevelopment Grant Program Project Descriptions

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

TANKS..... CDPH Storage Tanks Listing

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... State spills

SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

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

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

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

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION..... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS..... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems

ROD..... Records Of Decision

RMP..... Risk Management Plans

RAATS..... RCRA Administrative Action Tracking System

PRP..... Potentially Responsible Parties

PADS..... PCB Activity Database System

ICIS..... Integrated Compliance Information System

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

MLTS..... Material Licensing Tracking System

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER..... PCB Transformer Registration Database

RADINFO..... Radiation Information Database

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

DOT OPS..... Incident and Accident Data

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

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File

ABANDONED MINES..... Abandoned Mines

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO..... Unexploded Ordnance Sites

FUELS PROGRAM..... EPA Fuels Program Registered Listing

AIRS..... Air Inventory Listing

EXECUTIVE SUMMARY

CHICAGO ENV.....	Environmental Records Dataset
COAL ASH.....	Coal Ash Site Listing
DRYCLEANERS.....	Illinois Licensed Drycleaners
Financial Assurance.....	Financial Assurance Information Listing
HWAR.....	Hazard Waste Annual Report
IMPDMNT.....	Surface Impoundment Inventory
NPDES.....	A Listing of Active Permits
PIMW.....	Potentially Infectious Medical Waste
TIER 2.....	Tier 2 Information Listing
UIC.....	Underground Injection Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1

EXECUTIVE SUMMARY

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB HIGH SCHOOL EPA ID:: ILR000075606	1525 S JOHNSON ST	0 - 1/8 (0.000 mi.)	A2	8

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

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IL ARNG FMS 21 EPA ID:: ILD980825384	135 W GRANT ST	E 0 - 1/8 (0.010 mi.)	B8	13

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 07/22/2019 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EVERLY HOUSE TRUST NFA/NFR Letter: 2008-10-14 Incident Num: 20080480 IL EPA Id: 1090355096	811 SOUTH LAFAYETTE	NE 0 - 1/8 (0.093 mi.)	C9	17
KOUKL, DAN Incident Num: 20170905 IL EPA Id: 1090355114	301 SOUTH JOHNSON ST	N 1/4 - 1/2 (0.452 mi.)	11	18
MCDONOUGH DIST. HOSP NFA/NFR Letter: 1997-02-04 Incident Num: 950648 Incident Num: 972264 IL EPA Id: 1090355035	525 EAST GRANT ST.	E 1/4 - 1/2 (0.460 mi.)	12	19
MCDONOUGH DISTRICT H Incident Num: 20130527 IL EPA Id: 1090355035	525 EAST GRANT, HEAL	E 1/4 - 1/2 (0.481 mi.)	13	20

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 07/22/2019 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACARTHUR SCHOOL Tank Status: Abandoned in place Status: EXEMPT Facility Id: 3030027	235 W GRANT ST	0 - 1/8 (0.000 mi.)	3	10
EVERLY HOUSE TRUST Tank Status: Removed Status: CLOSED Facility Id: 3030214	811 S. LAFAYETTE STR	NE 0 - 1/8 (0.093 mi.)	C10	17

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FMS 21 MACOMB Tank Status: Removed Tank Status: Currently in use Status: ACTIVE Facility Id: 3006889	135 WEST GRANT	E 0 - 1/8 (0.010 mi.)	B7	12

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CDL: A listing of clandestine/meth drug lab locations.

A review of the CDL list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 CDL site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1224 SOUTH JOHNSON S	0 - 1/8 (0.000 mi.)	4	11

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA

EXECUTIVE SUMMARY

Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/03/2019 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB HIGH SCHOOL Registry ID: 110021547575	1525 S JOHNSON ST	0 - 1/8 (0.000 mi.)	A6	11

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

A review of the ECHO list, as provided by EDR, and dated 07/06/2019 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB HIGH SCHOOL Registry ID: 110021547575	1525 S JOHNSON ST	0 - 1/8 (0.000 mi.)	A6	11

A listing of asbestos abatement & demolition project site locations in the state.

A review of the ASBESTOS list, as provided by EDR, and dated 06/28/2019 has revealed that there is 1 ASBESTOS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB HIGH SCHOOL	1525 S JOHNSON ST	0 - 1/8 (0.000 mi.)	A1	8

BOL: Bureau of Land inventory for facility information. Data results are cross-linked with all on-line database system applications from IEPA - Bureau of Land as well as USEPA FRS database.

A review of the BOL list, as provided by EDR, and dated 05/14/2019 has revealed that there are 2 BOL sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MACOMB HIGH SCHOOL Site Id: 170000655985 Inv Num: 1090355068	1525 S JOHNSON ST	0 - 1/8 (0.000 mi.)	A1	8
LAKEN Site Id: 170000655342 Inv Num: 1090350034	1400 S JOHNSON	0 - 1/8 (0.000 mi.)	A5	11

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EXECUTIVE SUMMARY

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CIPS TOWN GAS	305 EAST CALHOUN	NNE 1/2 - 1 (0.831 mi.)	14	20

EXECUTIVE SUMMARY

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

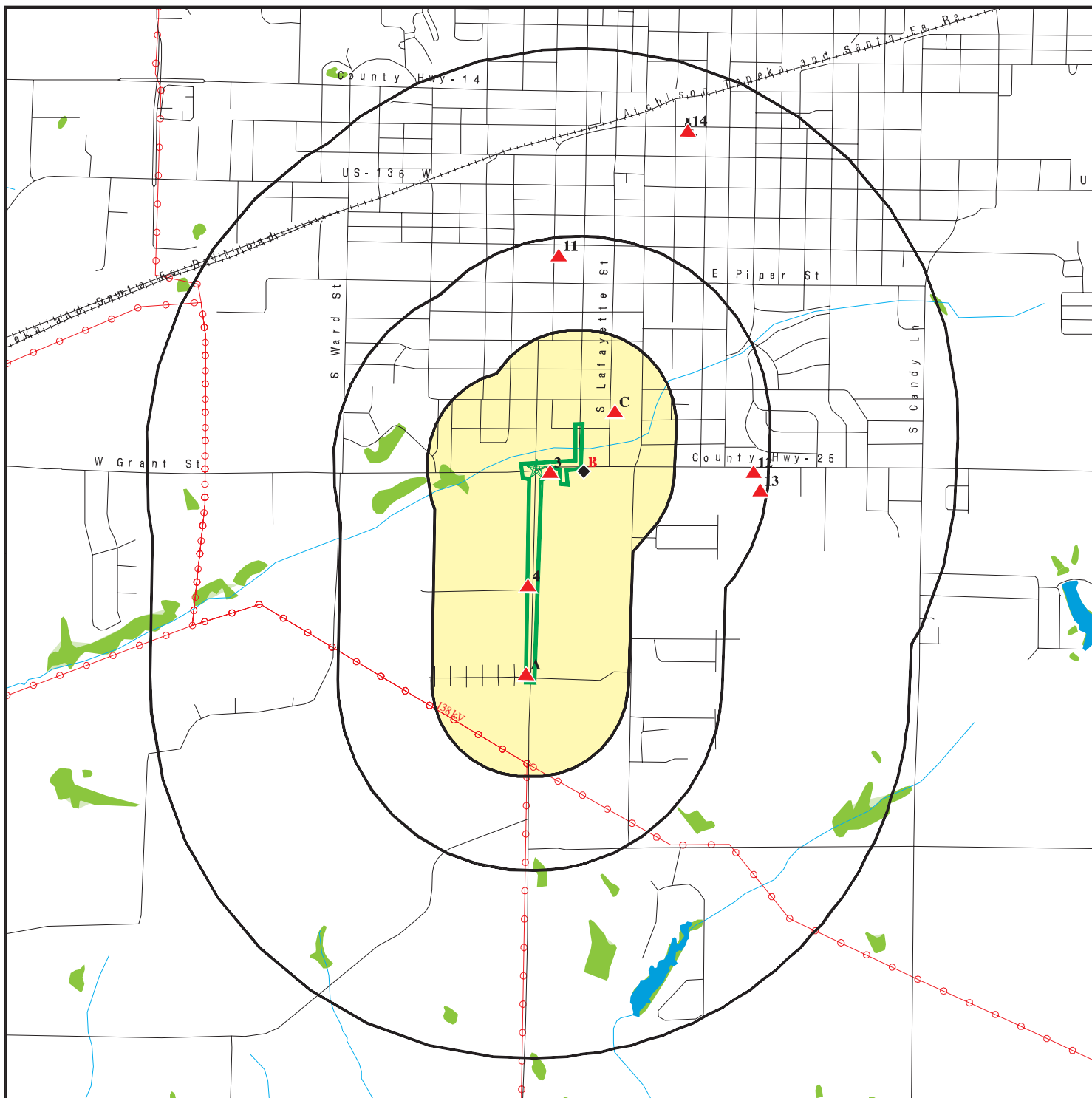
Site Name







Database(s)





MACOMB NATIONAL GUARD ARMORY

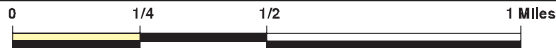
CDL
AIRS

OVERVIEW MAP - 5817969.2S



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

-  Indian Reservations BIA
-  Power transmission lines
-  National Wetland Inventory
-  State Wetlands

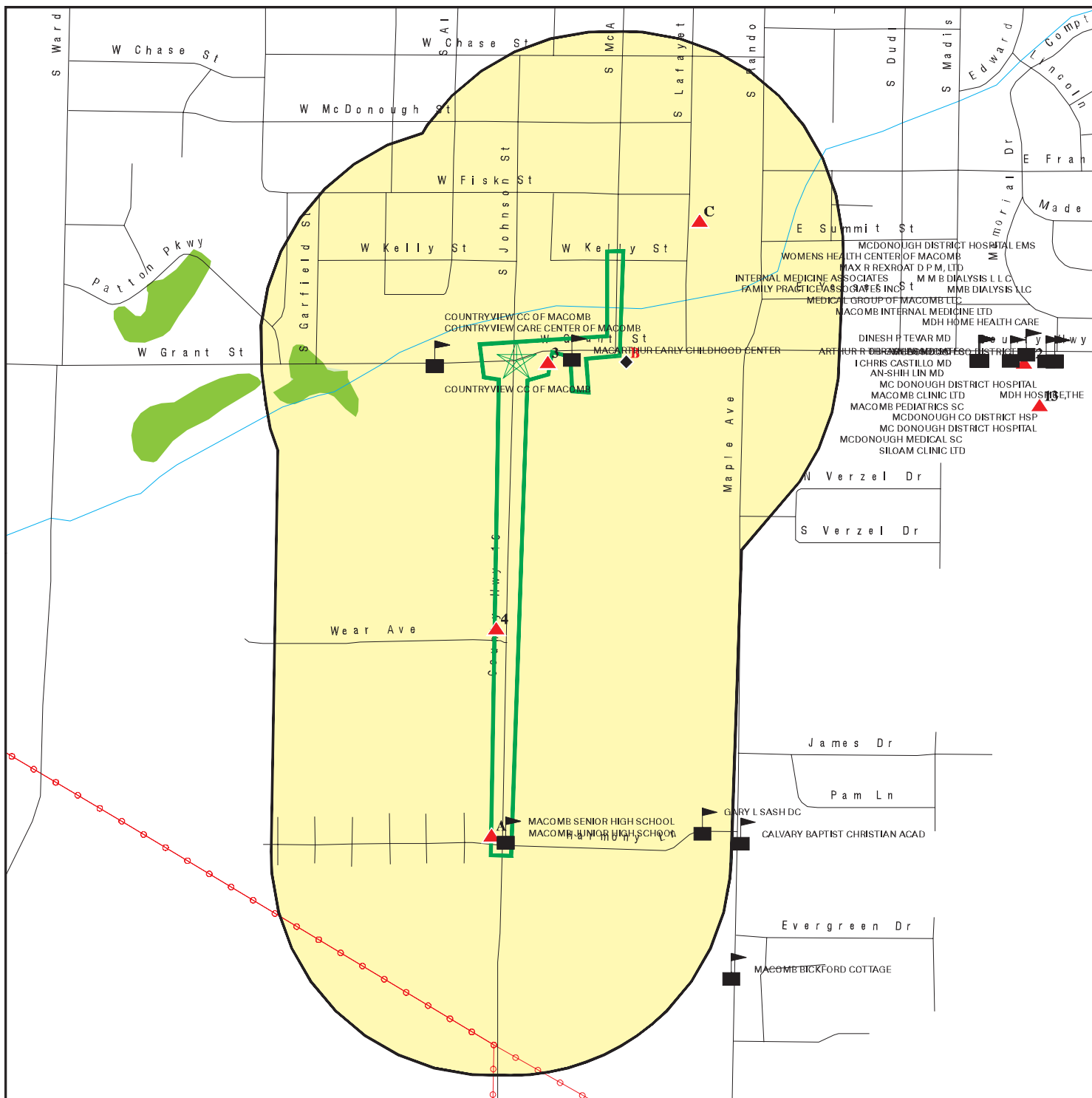









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Macomb SRTS
 ADDRESS: Johnson Street/West Grant Street
 Macomb IL 61455
 LAT/LONG: 40.447792 / 90.675702

CLIENT: Kaskaskia Engineering Group, LLC
 CONTACT: Amanda Friedrich
 INQUIRY #: 5817969.2s
 DATE: October 07, 2019 12:15 pm

DETAIL MAP - 5817969.2S



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

-  Indian Reservations BIA
-  Power transmission lines
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: Macomb SRTS
 ADDRESS: Johnson Street/West Grant Street
 Macomb IL 61455
 LAT/LONG: 40.447792 / 90.675702

CLIENT: Kaskaskia Engineering Group, LLC
 CONTACT: Amanda Friedrich
 INQUIRY #: 5817969.2s
 DATE: October 07, 2019 12:16 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SSU	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
CCDD	0.500		0	0	0	NR	NR	0
LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	0	3	NR	NR	4

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	0	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
SRP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		1	NR	NR	NR	NR	1
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	1	NR	1
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	12	0	3	1	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **MACOMB HIGH SCHOOL**
1525 S JOHNSON ST
< 1/8 **MACOMB, IL 61455**
1 ft.

ASBESTOS **S113295327**
BOL **N/A**

Site 1 of 4 in cluster A

Relative:
Higher

ASBESTOS:

Actual:
689 ft.

Site ID: 170000655985
Name: MACOMB HIGH SCHOOL
Address: 1525 S JOHNSON ST
City,State,Zip: MACOMB, IL 61455
Notification Type: Revision
Received Date: 05/21/2015
Postmark Date: 05/18/2015
Start Date: 06/01/2015
End Date: 06/19/2015
Resubmission Date: 06/17/2015
Pipe AMT: Not reported
SA AMT: 7500
OFC AMT: Not reported
Type: Not reported
Fee Amt : Not reported
Fee Payment Method: Not reported
Check # or EPAY code. #: Not reported
Fee Comment: Not reported
Additional Property: Not reported
Asbestos Contractor Name: Not reported
Demo Contractor Name: Not reported
Asbestos Y/N: Not reported
Demo Order Gov Y/N: Not reported
Emerg. Reno Y/N: Not reported
Compliance Review Y/N: Not reported
Compliance Initials: Not reported
Compliance Review Comments: Not reported

BOL:

Name: MACOMB HIGH SCHOOL
Address: 1525 S JOHNSON ST
City,State,Zip: MACOMB, IL 61455
Site Id: 170000655985
Inv Num: 1090355068
Interest Name: Macomb High School
Interest Type: BOL
Media Code: LAND

A2 **MACOMB HIGH SCHOOL**
1525 S JOHNSON ST
< 1/8 **MACOMB, IL 61455**
1 ft.

RCRA-SQG **1001967975**
ILR000075606

Site 2 of 4 in cluster A

Relative:
Higher

RCRA-SQG:

Actual:
689 ft.

Date form received by agency: 03/14/2000
Facility name: MACOMB HIGH SCHOOL
Facility address: 1525 S JOHNSON ST
MACOMB, IL 61455
EPA ID: ILR000075606
Contact: FRANK EVANS
Contact address: 323 W WASHINGTON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MACOMB HIGH SCHOOL (Continued)

1001967975

Contact country: MACOMB, IL 61455
Contact telephone: US
309-833-4161
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MACOMB C U S D 185
Owner/operator address: 323 W WASHINGTON
MACOMB, IL 61455
Owner/operator country: Not reported
Owner/operator telephone: 309-833-4161
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MACOMB HIGH SCHOOL (Continued)

1001967975

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D011
- . Waste name: SILVER

- Violation Status: No violations found

3
 < 1/8
 1 ft.

MACARTHUR SCHOOL
235 W GRANT ST
MACOMB, IL 61455

UST U000861317
N/A

UST:

Relative:
Higher
Actual:
680 ft.

Name:	MACARTHUR SCHOOL
Address:	235 W GRANT ST
City:	MACOMB
Zip:	61455
Facility ID:	3030027
Facility Status:	EXEMPT
Facility Type:	NONE
Owner Id:	U0009536
Owner Name:	Macomb School District 185
Owner Address:	323 West Washington Street
Owner City,St,Zip:	Macomb, IL 61455
Tank Number:	1
Tank Status:	Abandoned in place
Tank Capacity:	4000
Tank Substance:	Heating Oil
Last Used Date:	1/1/1902
OSFM First Notify Date:	5/5/1992
Red Tag Issue Date:	Not reported
Install Date:	Not reported
Green Tag Decal:	Not reported
Green Tag Issue Date:	Not reported
Green Tag Expire Date:	Not reported
Fee Due:	Not reported
Motor Fuel Permit Inspection Date:	Not reported
Motor Fuel Permit Expiration Date:	Not reported
MOTOR FUEL TYPE:	Not reported
Pending Nov:	N
IEMA:	Not reported
Equipment Type:	Not reported
Equipment:	Not reported
Last Passing Date:	Not reported
Test Expire Date:	Not reported
Removed Date:	Not reported
Abandoned Date:	1/1/1975

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

4

**1224 SOUTH JOHNSON STREET
MACOMB, IL 61455**

**CDL S116758678
N/A**

< 1/8
1 ft.

**Relative:
Higher**

CDL:

Facility Type: Not reported
Region: Not reported
CDL IL Number: Not reported
Entry Date: 07/08/2014
Incident Number: 907111402M
VIN Number: Not reported
Notification Letter Date: Not reported
Clearance Letter Date: Not reported

**Actual:
681 ft.**

A5

**LAKEN
1400 S JOHNSON
MACOMB, IL 61455**

**BOL S113295284
N/A**

< 1/8
1 ft.

Site 3 of 4 in cluster A

**Relative:
Higher**

BOL:

Name: LAKEN
Address: 1400 S JOHNSON
City,State,Zip: MACOMB, IL 61455
Site Id: 170000655342
Inv Num: 1090350034
Interest Name: Laken
Interest Type: BOL
Media Code: LAND

**Actual:
689 ft.**

A6

**MACOMB HIGH SCHOOL
1525 S JOHNSON ST
MACOMB, IL 61455**

**FINDS 1008260612
ECHO N/A**

< 1/8
1 ft.

Site 4 of 4 in cluster A

**Relative:
Higher**

FINDS:

Registry ID: 110021547575

**Actual:
689 ft.**

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

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

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

ECHO:

Envid: 1008260612

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MACOMB HIGH SCHOOL (Continued)

1008260612

Registry ID: 110021547575
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110021547575>

B7
East
< 1/8
0.010 mi.
55 ft.

FMS 21 MACOMB
135 WEST GRANT
MACOMB, IL 61455
Site 1 of 2 in cluster B

UST **U001138771**
N/A

Relative:
Lower
Actual:
676 ft.

UST:
 Name: FMS 21 MACOMB
 Address: 135 WEST GRANT
 City: MACOMB
 Zip: 614552862
 Facility ID: 3006889
 Facility Status: ACTIVE
Facility Type: STATE
 Owner Id: U0007399
 Owner Name: Illinois Department of Military Affairs
 Owner Address: 1301 N. MacArthur Blvd.
 Owner City,St,Zip: Springfield, IL 627022399

Tank Number: 1
Tank Status: Removed
 Tank Capacity: 2000
 Tank Substance: Gasoline
 Last Used Date: 11/1/1992
 OSFM First Notify Date: 3/21/1986
 Red Tag Issue Date: Not reported
 Install Date: Not reported
Green Tag Decal: T004145
Green Tag Issue Date: 2/1/2018
Green Tag Expire Date: 12/31/2020
 Fee Due: \$0.00
 Motor Fuel Permit Inspection Date: 2/1/2018
 Motor Fuel Permit Expiration Date: 12/31/2020
 MOTOR FUEL TYPE: Fleet
 Pending Nov: N
 IEMA: Not reported
 Equipment Type: Not reported
 Equipment: Not reported
 Last Passing Date: Not reported
 Test Expire Date: Not reported
 Removed Date: 12/22/1992
 Abandoned Date: Not reported

Tank Number: 2
Tank Status: Removed
 Tank Capacity: 10000
 Tank Substance: Heating Oil
 Last Used Date: 11/1/1986
 OSFM First Notify Date: 10/2/1990
 Red Tag Issue Date: Not reported
 Install Date: 8/1/1971
Green Tag Decal: T004145
Green Tag Issue Date: 2/1/2018
Green Tag Expire Date: 12/31/2020

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FMS 21 MACOMB (Continued)

U001138771

Fee Due: \$0.00
 Motor Fuel Permit Inspection Date: 2/1/2018
 Motor Fuel Permit Expiration Date: 12/31/2020
 MOTOR FUEL TYPE: Fleet
 Pending Nov: N
 IEMA: Not reported
 Equipment Type: Not reported
 Equipment: Not reported
 Last Passing Date: Not reported
 Test Expire Date: Not reported
 Removed Date: 3/9/1995
 Abandoned Date: Not reported

Tank Number: 3
Tank Status: Currently in use
 Tank Capacity: 2500
 Tank Substance: Ultra Low Sulfur Diesel
 Last Used Date: Not reported
 OSFM First Notify Date: 2/4/1993
 Red Tag Issue Date: Not reported
 Install Date: 10/27/1992
Green Tag Decal: T004145
Green Tag Issue Date: 2/1/2018
Green Tag Expire Date: 12/31/2020
 Fee Due: \$0.00
 Motor Fuel Permit Inspection Date: 2/1/2018
 Motor Fuel Permit Expiration Date: 12/31/2020
 MOTOR FUEL TYPE: Fleet
 Pending Nov: N
 IEMA: Not reported
 Equipment Type: Corrosion Prot - Piping
 Equipment: Fiberglass Non-Corrosive
 Last Passing Date: N/A
 Test Expire Date: N/A
 Removed Date: Not reported
 Abandoned Date: Not reported

B8
East
< 1/8
0.010 mi.
55 ft.

IL ARNG FMS 21
135 W GRANT ST
MACOMB, IL 61445

Site 2 of 2 in cluster B

RCRA-VSQQ 1000132478
ILD980825384

Relative:
Lower
Actual:
676 ft.

RCRA-VSQQ:
 Date form received by agency: 05/23/2007
 Facility name: IL ARNG FMS 21
 Facility address: 135 W GRANT ST
 MACOMB, IL 61445
 EPA ID: ILD980825384
 Mailing address: 1301 N MACARTHUR BLVD
 SPRINGFIELD, IL 62702
 Contact: MARTHA M MILLER
 Contact address: 1301 N MACARTHUR BLVD
 SPRINGFIELD, IL 62702
 Contact country: US
 Contact telephone: 217-761-3735
 Contact email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IL ARNG FMS 21 (Continued)

1000132478

EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: IL ARNG
Owner/operator address: 1301 N MACARTHUR BLVD
SPRINGFIELD, IL 62702

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 05/23/2007
Owner/Op end date: Not reported

Owner/operator name: IL ARNG
Owner/operator address: 1301 N MACARTHUR BLVD
SPRINGFIELD, IL 62702

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 05/23/2007
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IL ARNG FMS 21 (Continued)

1000132478

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/22/1983
Site name: ILL STATE OF ARNG MACOMB ARM OMS19A
Classification: Not a generator, verified

Hazardous Waste Summary:

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS 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 F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IL ARNG FMS 21 (Continued)

1000132478

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

 - . Waste code: F004
 - . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

 - . Waste code: U002
 - . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

 - . Waste code: U031
 - . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

 - . Waste code: U095
 - . Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL- (OR) 3,3'-DIMETHYLBENZIDINE

 - . Waste code: U154
 - . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

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

 - . Waste code: U227
 - . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

 - . Waste code: U228
 - . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

 - . Waste code: U239
 - . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
- Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C9
NE
< 1/8
0.093 mi.
492 ft.

EVERLY HOUSE TRUST
811 SOUTH LAFAYETTE
MACOMB, IL 61455

Site 1 of 2 in cluster C

LUST S109027252
N/A

Relative:
Higher

LUST:

Actual:
680 ft.

Name: EVERLY HOUSE TRUST
Address: 811 SOUTH LAFAYETTE
City,State,Zip: MACOMB, IL 61455
Incident Num: 20080480
IL EPA Id: 1090355096
Product: Fuel Oil
IEMA Date: 2008-04-14
Project Manager: Covert
Project Manager Phone: Not reported
Email: Not reported
PRP Name: Everly House Trust
PRP Contact: Marsha Mouden
PRP Address: 811 South Lafayette
PRP City,St,Zip: Macomb, IL 61455
PRP Phone: 3098332704
Site Classification: Not reported
Section 57.5(g) Letter: 734
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 2008-04-30
45 Report Received: 2008-05-28
NFA/NFR Letter: 2008-10-14
NFR Date Recorded: 2008-10-24
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

C10
NE
< 1/8
0.093 mi.
492 ft.

EVERLY HOUSE TRUST
811 S. LAFAYETTE STREET
MACOMB, IL 61455

Site 2 of 2 in cluster C

UST U000787270
N/A

Relative:
Higher

UST:

Actual:
680 ft.

Name: EVERLY HOUSE TRUST
Address: 811 S. LAFAYETTE STREET
City: MACOMB
Zip: 61455
Facility ID: 3030214
Facility Status: CLOSED
Facility Type: PRIVATE INSTITUTION
Owner Id: U0019774
Owner Name: Everly House Trust
Owner Address: 811 S LaFayette St
Owner City,St,Zip: Macomb, IL 61455

Tank Number: 1
Tank Status: Removed
Tank Capacity: 5100
Tank Substance: Diesel Fuel
Last Used Date: 12/18/1998
OSFM First Notify Date: 6/8/1992
Red Tag Issue Date: Not reported
Install Date: 1/1/1952

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EVERLY HOUSE TRUST (Continued)

U000787270

Green Tag Decal:	Not reported
Green Tag Issue Date:	Not reported
Green Tag Expire Date:	Not reported
Fee Due:	\$0.00
Motor Fuel Permit Inspection Date:	Not reported
Motor Fuel Permit Expiration Date:	Not reported
MOTOR FUEL TYPE:	Not reported
Pending Nov:	N
IEMA:	08-0480
Equipment Type:	Not reported
Equipment:	Not reported
Last Passing Date:	Not reported
Test Expire Date:	Not reported
Removed Date:	8/26/2008
Abandoned Date:	Not reported

11
North
1/4-1/2
0.452 mi.
2389 ft.

KOUKL, DAN
301 SOUTH JOHNSON STREET
MACOMB, IL 61455

LUST S121171925
N/A

Relative:
Higher
Actual:
695 ft.

LUST:

Name:	KOUKL, DAN
Address:	301 SOUTH JOHNSON STREET
City,State,Zip:	MACOMB, IL 61455
Incident Num:	20170905
IL EPA Id:	1090355114
Product:	Gasoline, Fuel Oil
IEMA Date:	2017-10-06
Project Manager:	Kuhlman
Project Manager Phone:	(217) 785-5715
Email:	Eric.Kuhlman@illinois.gov
PRP Name:	Koukl, Dan
PRP Contact:	Dan Koukl
PRP Address:	3485 Route 126
PRP City,St,Zip:	Oswego, IL 60543
PRP Phone:	(630) 669-1567
Site Classification:	Not reported
Section 57.5(g) Letter:	734
Date Section 57.5(g) Letter:	Not reported
Non LUST Determination Letter:	Not reported
20 Report Received:	2017-10-12
45 Report Received:	2017-12-05
NFA/NFR Letter:	Not reported
NFR Date Recorded:	Not reported
Heating Oil Date:	Not reported
Non-Lust LR Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

12
East
1/4-1/2
0.460 mi.
2429 ft.

MCDONOUGH DIST. HOSPITAL
525 EAST GRANT ST.
MACOMB, IL 61455

LUST S104522622
N/A

Relative:
Higher
Actual:
689 ft.

LUST:
Name: MCDONOUGH DIST. HOSPITAL
Address: 525 EAST GRANT
City,State,Zip: MACOMB, IL 61455
Incident Num: 950648
IL EPA Id: 1090355035
Product: Fuel Oil
IEMA Date: 1995-04-03
Project Manager: Nifong
Project Manager Phone: Not reported
Email: Not reported
PRP Name: McDonough Dist. Hospital
PRP Contact: David Butler
PRP Address: 525 East Grant St.
PRP City,St,Zip: Macomb, IL 61455
PRP Phone: Not reported
Site Classification: NFA
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 1995-06-12
45 Report Received: 1995-09-25
NFA/NFR Letter: 1997-02-04
NFR Date Recorded: 1998-04-03
Heating Oil Date: Not reported
Non-Lust LR Date: Not reported

Name: MCDONOUGH DIST. HOSPITAL
Address: 525 EAST GRANT ST.
City,State,Zip: MACOMB, IL 61455
Incident Num: 972264
IL EPA Id: 1090355035
Product: Gasoline
IEMA Date: 1997-11-25
Project Manager: Charles
Project Manager Phone: Not reported
Email: Not reported
PRP Name: McDonough Dist. Hospital
PRP Contact: Dave Butler
PRP Address: 525 East Grant St.
PRP City,St,Zip: Macomb, IL 61455
PRP Phone: 3098361512
Site Classification: Not reported
Section 57.5(g) Letter: 732
Date Section 57.5(g) Letter: 1998-06-26
Non LUST Determination Letter: Not reported
20 Report Received: Not reported
45 Report Received: Not reported
NFA/NFR Letter: Not reported
NFR Date Recorded: Not reported
Heating Oil Date: 1998-06-26
Non-Lust LR Date: Not reported

MAP FINDINGS

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

13 East 1/4-1/2 0.481 mi. 2540 ft.	MCDONOUGH DISTRICT HOSPITAL 525 EAST GRANT, HEALTH SERVICE BLDG #2 MACOMB, IL 61455	LUST	S113808759 N/A
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Relative: Higher Actual: 691 ft.	LUST: Name: MCDONOUGH DISTRICT HOSPITAL Address: 525 EAST GRANT, HEALTH SERVICE BLDG #2 City,State,Zip: MACOMB, IL 61455 Incident Num: 20130527 IL EPA Id: 1090355035 Product: Fuel Oil IEMA Date: 2013-05-08 Project Manager: Not reported Project Manager Phone: Not reported Email: Not reported PRP Name: McDonough District Hospital PRP Contact: John Jessen PRP Address: 525 East Grant PRP City,St,Zip: Macomb, IL 61455 PRP Phone: 3092557880 Site Classification: Not reported Section 57.5(g) Letter: 734 Date Section 57.5(g) Letter: Not reported Non LUST Determination Letter: 2013-05-28 20 Report Received: Not reported 45 Report Received: Not reported NFA/NFR Letter: Not reported NFR Date Recorded: Not reported Heating Oil Date: Not reported Non-Lust LR Date: 2013-05-28	
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14 NNE 1/2-1 0.831 mi. 4386 ft.	CIPS TOWN GAS 305 EAST CALHOUN MACOMB, IL 61455	EDR MGP	1008407407 N/A
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Relative: Higher Actual: 704 ft.	Manufactured Gas Plants: No additional information available
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Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MACOMB	S107743788	MACOMB NATIONAL GUARD ARMORY	WEST GRANT ST		AIRS
MACOMB	S117979532		518 JOHNSON STREET	61455	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 800-424-9346
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: 312-886-6186
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: 312-886-6186
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: 312-886-6186
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: 312-886-6186
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 09/16/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SSU: State Sites Unit Listing

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 04/26/2019
Date Made Active in Reports: 05/24/2019
Number of Days to Update: 28

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4826
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

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

SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/07/2018
Number of Days to Update: 12

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Annually

CCDD: Clean Construction or Demolition Debris

Construction and demolition (C and D) debris is nonhazardous, uncontaminated material resulting from construction, remodeling, repair, or demolition of utilities, structures, and roads.

Date of Government Version: 04/11/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/30/2018
Number of Days to Update: 29

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

LF WMRC: Waste Management & Research Center Landfill Database

The Waste Management & Research Center Landfill Database includes records from the Department of Public Health, Department of Mines & Minerals, Illinois Environmental Protection Agency, State Geological Survey, Northeastern Illinois Planning Commission and Pollution Control Board.

Date of Government Version: 12/31/2001
Date Data Arrived at EDR: 10/06/2006
Date Made Active in Reports: 11/06/2006
Number of Days to Update: 31

Source: Department of Natural Resources
Telephone: 217-333-8940
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SPECIAL WASTE: Special Waste Site List

These landfills, as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois EPA Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste, Non-Regional Pollution Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollution Control Facility by RPCF, or Non-Regional Pollution Control Facility by Non-RPCF.

Date of Government Version: 01/01/1990	Source: Illinois EPA
Date Data Arrived at EDR: 06/17/2009	Telephone: 217-782-9288
Date Made Active in Reports: 07/15/2009	Last EDR Contact: 06/10/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

IL NIPC: Solid Waste Landfill Inventory

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988	Source: Northeastern Illinois Planning Commission
Date Data Arrived at EDR: 08/01/1994	Telephone: 312-454-0400
Date Made Active in Reports: 08/12/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/22/2019	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/23/2019	Telephone: 217-524-3300
Date Made Active in Reports: 09/25/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018	Source: EPA Region 10
Date Data Arrived at EDR: 03/07/2019	Telephone: 206-553-2857
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/24/2018	Source: EPA Region 4
Date Data Arrived at EDR: 03/12/2019	Telephone: 404-562-8677
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/16/2018	Source: EPA Region 8
Date Data Arrived at EDR: 03/07/2019	Telephone: 303-312-6271
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3372
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-6597
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-7439
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

LUST TRUST: Underground Storage Tank Fund Payment Priority List

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner.

Date of Government Version: 06/06/2016	Source: Illinois EPA
Date Data Arrived at EDR: 07/27/2016	Telephone: 217-782-6762
Date Made Active in Reports: 10/18/2016	Last EDR Contact: 07/26/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 08/26/2019
Number of Days to Update: 136	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Varies

UST: Underground Storage Tank Facility List

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

Date of Government Version: 07/22/2019	Source: Illinois State Fire Marshal
Date Data Arrived at EDR: 07/23/2019	Telephone: 217-785-0969
Date Made Active in Reports: 09/26/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

Listing of all aboveground tanks inspected by Office of State Fire Marshal.

Date of Government Version: 04/04/2019	Source: State Fire Marshal
Date Data Arrived at EDR: 05/30/2019	Telephone: 217-785-1011
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 05/16/2019
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/07/2018	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/24/2018	Source: EPA Region 4
Date Data Arrived at EDR: 03/12/2019	Telephone: 404-562-9424
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-7591
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-6136
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/05/2019
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018	Source: EPA Region 10
Date Data Arrived at EDR: 03/07/2019	Telephone: 206-553-2857
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3368
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018	Source: EPA Region 8
Date Data Arrived at EDR: 03/07/2019	Telephone: 303-312-6137
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 08/05/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Sites with Engineering Controls

Sites using of engineered barriers (e.g., asphalt or concrete paving).

Date of Government Version: 07/01/2019	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 217-782-6761
Date Made Active in Reports: 09/16/2019	Last EDR Contact: 09/30/2019
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Institutional Controls

Legal or administrative restrictions on land use and/or other activities (e.g., groundwater use restrictions) which effectively limit exposure to contamination may be employed as alternatives to removal or treatment of contamination.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/16/2019
Number of Days to Update: 77

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6761
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

SRP: Site Remediation Program Database

The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present).

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/16/2019
Number of Days to Update: 77

Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Municipal Brownfields Redevelopment Grant Program Project Descriptions

The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of \$240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment.

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 07/31/2014
Date Made Active in Reports: 09/08/2014
Number of Days to Update: 39

Source: Illinois Environmental Protection Agency
Telephone: 217-785-3486
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

BROWNFIELDS: Redevelopment Assessment Database

The Office of Site Evaluations Redevelopment Assessment database identifies the status of all properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a municipal Brownfield Redevelopment Assessment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/25/2019
Number of Days to Update: 64

Source: Illinois Environmental Protection Agency
Telephone: 217-524-1658
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

CDL: Meth Drug Lab Site Listing

A listing of clandestine/meth drug lab locations.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Department of Public Health
Telephone: 217-782-5750
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

CHICAGO TANKS: CDPH Storage Tanks Listing

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 312-747-2374
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/30/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

SPILLS: State spills

A listing of incidents reported to the Office of Emergency Response.

Date of Government Version: 05/23/2019	Source: Illinois EPA
Date Data Arrived at EDR: 07/10/2019	Telephone: 217-782-3637
Date Made Active in Reports: 09/19/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Semi-Annually

IEMA SPILLS: Illinois Emergency Management Agency Spills

A listing of hazardous materials incidents reported to the Illinois Emergency Management Agency.

Date of Government Version: 04/29/2019	Source: Illinois Emergency Management Agency
Date Data Arrived at EDR: 04/30/2019	Telephone: 217-524-0770
Date Made Active in Reports: 05/24/2019	Last EDR Contact: 07/31/2019
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 07/18/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 71	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/05/2019
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/09/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 09/19/2019
Number of Days to Update: 198	Next Scheduled EDR Contact: 12/30/2019
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 08/23/2019
Number of Days to Update: 2	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 09/30/2018	Source: EPA
Date Data Arrived at EDR: 04/24/2019	Telephone: 202-564-4203
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 07/26/2019
Number of Days to Update: 106	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 703-416-0223
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 07/22/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019	Source: EPA
Date Data Arrived at EDR: 09/05/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 07/12/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/03/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/06/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 08/09/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 10/01/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 04/01/2019	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 04/30/2019	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 07/31/2019
Number of Days to Update: 100	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/27/2019	Source: Department of Interior
Date Data Arrived at EDR: 03/28/2019	Telephone: 202-208-2609
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019	Source: EPA
Date Data Arrived at EDR: 06/05/2019	Telephone: (312) 353-2000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 07/15/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 08/21/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 07/06/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 07/09/2019
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Air Inventory Listing

A listing of air permits and emissions information.

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 60

Source: Illinois EPA
Telephone: 217-557-0314
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

ASBESTOS: ASBESTOS

A listing of asbestos abatement & demolition project site locations in the state.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 60

Source: Illinois EPA
Telephone: 217-558-5101
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

BOL: Bureau of Land Inventory Database

Bureau of Land inventory for facility information. Data results are cross-linked with all on-line database system applications from IEPA - Bureau of Land as well as USEPA FRS database.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

CHICAGO ENV: Environmental Records Dataset

This dataset serves as a lookup table to determine if environmental records exist in a Chicago Department of Public Health (CDPH) environmental dataset for a given address. COMPLAINTS: A "Y" indicates that one or more records exist in the CDPH Environmental Complaints dataset. NESHAPS and DEMOLITION NOTICES: A "Y" indicates that one or more records exist in the CDPH Asbestos and Demolition Notification dataset. ENFORCEMENT: A "Y" indicates that one or more records exist in the CDPH Environmental Enforcement dataset. INSPECTIONS: A "Y" indicates that one or more records exist in the CDPH Environmental Inspections dataset. PERMITS: A "Y" indicates that one or more records exist in the CDPH Environmental Permits dataset. TANKS: A "Y" indicates that one or more records exist in the CDPH Storage Tanks dataset.

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 4

Source: Chicago Department of Public Health
Telephone: 312-745-3136
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

COAL ASH: Coal Ash Site Listing

A listing of coal ash site locations.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 03/09/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 32

Source: Illinois EPA
Telephone: 217-782-1654
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Illinois Licensed Drycleaners

Any retail drycleaning facility in Illinois must apply for a license through the Illinois Drycleaner Environmental Response Trust Fund. Drycleaner Environmental Response Trust Fund of Illinois.

Date of Government Version: 05/19/2019	Source: Drycleaner Environmental Response Trust Fund of Illinois
Date Data Arrived at EDR: 05/21/2019	Telephone: 800-765-4041
Date Made Active in Reports: 06/25/2019	Last EDR Contact: 08/21/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/14/2017	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 02/22/2018	Telephone: 217-782-9887
Date Made Active in Reports: 03/12/2018	Last EDR Contact: 08/14/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: No Update Planned

HWAR: Hazard Waste Annual Report

Each year, Illinois hazardous-waste generators tell the Illinois EPA the amounts and kinds of hazardous waste they produced during the previous year. Generators indicate by code the types of wastes produced and the steps they took to manage these wastes. If some or all of these wastes were sent to commercial treatment, storage, and disposal facilities (TSDFs), that information and the identity of each receiving facility also are submitted.

Illinois TSDFs likewise report the types and quantities of wastes received from in-state and out-of-state generators; they also report the procedures they used to manage these wastes.

Date of Government Version: 12/31/2017	Source: Illinois EPA
Date Data Arrived at EDR: 02/08/2019	Telephone: 217-524-3300
Date Made Active in Reports: 04/04/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

IMPDMNT: Surface Impoundment Inventory

Statewide inventory of industrial, municipal, mining, oil & gas, and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potential for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/1980	Source: Illinois Waste Management & Research Center
Date Data Arrived at EDR: 03/08/2002	Telephone: 217-333-8940
Date Made Active in Reports: 06/03/2002	Last EDR Contact: 02/20/2002
Number of Days to Update: 87	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NPDES: A Listing of Active Permits

A listing of facilities currently active in the state. The types of permits are public, private, federal and state.

Date of Government Version: 04/16/2014	Source: Illinois EPA
Date Data Arrived at EDR: 04/18/2014	Telephone: 217-782-0610
Date Made Active in Reports: 05/20/2014	Last EDR Contact: 09/25/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Varies

PIMW: Potentially Infectious Medical Waste

Potentially Infectious Medical Waste (PIMW) is waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/27/2019
Number of Days to Update: 68

Source: Illinois EPA
Telephone: 217-524-3289
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 05/24/2019
Number of Days to Update: 10

Source: Illinois Emergency Management Agency
Telephone: 217-785-9860
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Annually

UIC: Underground Injection Wells

Injection wells are used for disposal of fluids by "injection" into the subsurface. The construction of injection wells range from very technical designs with twenty-four hour monitoring to simply a hole dug in the ground to control runoff. As a result of this diversity, the UIC Program divides injection wells into five different classes.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 7

Source: Illinois EPA
Telephone: 217-782-9878
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Illinois.

Date of Government Version: N/A	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

Date of Government Version: N/A	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Illinois Environmental Protection Agency in Illinois.

Date of Government Version: N/A	Source: Illinois Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing

Source: Department of Children & Family Services

Telephone: 312-814-4150

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey

Telephone: 217-333-4747

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MACOMB SRTS
JOHNSON STREET/WEST GRANT STREET
MACOMB, IL 61455

TARGET PROPERTY COORDINATES

Latitude (North):	40.447792 - 40° 26' 52.05"
Longitude (West):	90.675702 - 90° 40' 32.53"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	697113.2
UTM Y (Meters):	4479843.5
Elevation:	680 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5681009 MACOMB, IL
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

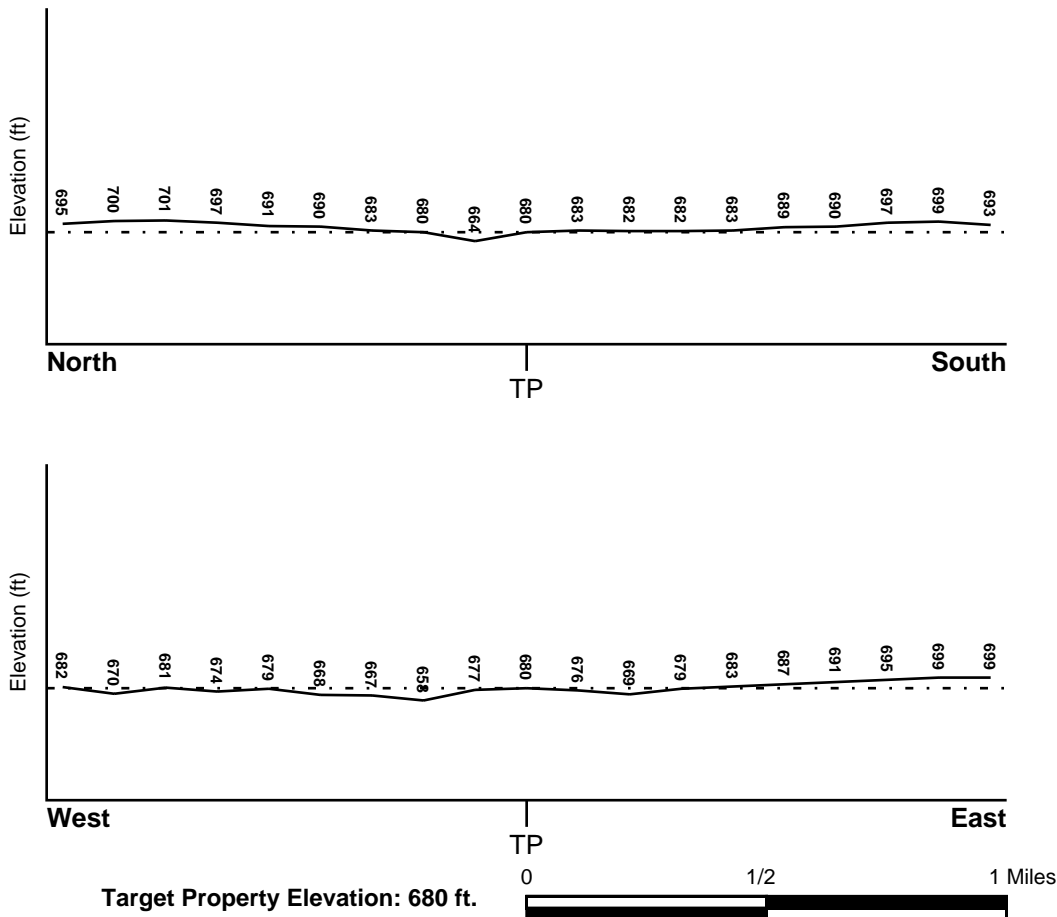
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

Not Reported

Additional Panels in search area: FEMA Source Type

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
MACOMB

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

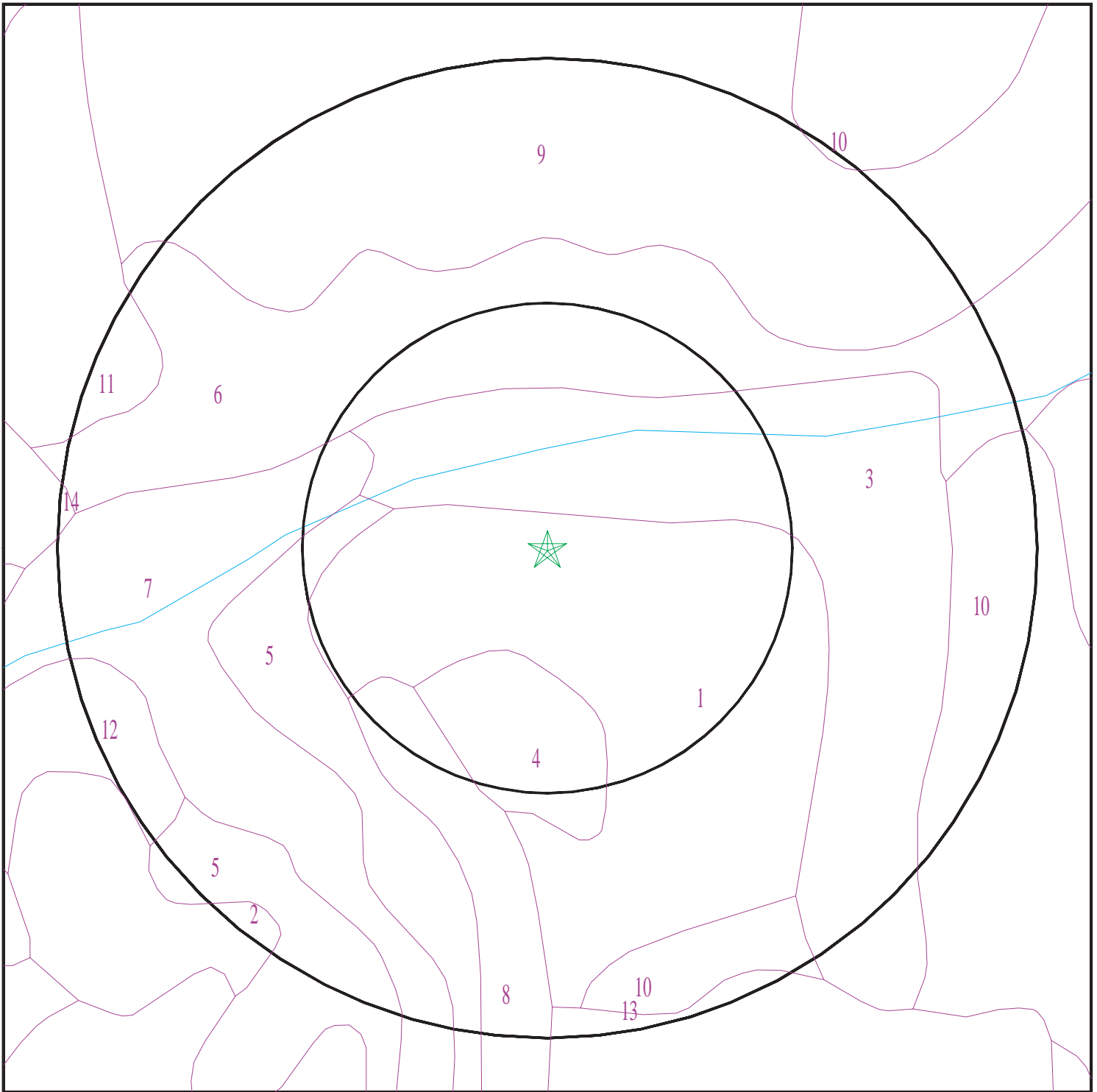
Era:	Paleozoic
System:	Mississippian
Series:	Meramecian Series
Code:	M2 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

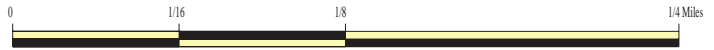
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5817969.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Macomb SRTS
ADDRESS: Johnson Street/West Grant Street
Macomb IL 61455
LAT/LONG: 40.447792 / 90.675702

CLIENT: Kaskaskia Engineering Group, LLC
CONTACT: Amanda Friedrich
INQUIRY #: 5817969.2s
DATE: October 07, 2019 12:17 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Clarksdale

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 38 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.1
2	7 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.1
3	16 inches	46 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.1
4	46 inches	66 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	66 inches	79 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.1

Soil Map ID: 2

Soil Component Name: Rozetta

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 5.6
2	7 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	11 inches	55 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 5.6
4	55 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 5.6

Soil Map ID: 3

Soil Component Name: Fishhook

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	5 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.1
3	27 inches	57 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.1
4	57 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 6.1

Soil Map ID: 4

Soil Component Name: Osco

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
2	14 inches	55 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
3	55 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6

Soil Map ID: 5

Soil Component Name: Ursa

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6
2	7 inches	31 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6
3	31 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6

Soil Map ID: 6

Soil Component Name: Keller

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
2	9 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
3	27 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
4	59 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1

Soil Map ID: 7

Soil Component Name: Ursa

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6
2	5 inches	55 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6
3	55 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 5.6

Soil Map ID: 8

Soil Component Name: Greenbush

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
2	14 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6
3	59 inches	79 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 7.3 Min: 5.6

Soil Map ID: 9

Soil Component Name: Ipava

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1
2	16 inches	57 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1
3	57 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1

Soil Map ID: 10

Soil Component Name: Ipava

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1
2	20 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1
3	40 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 8.4 Min: 6.1

Soil Map ID: 11

Soil Component Name: Osco

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	51 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
2	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
3	7 inches	42 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1
4	42 inches	51 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14.11 Min: 4.23	Max: 6.5 Min: 5.1

Soil Map ID: 12

Soil Component Name: Elco

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.8 Min: 5.1
2	7 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.8 Min: 5.1
3	31 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.8 Min: 5.1

Soil Map ID: 13

Soil Component Name: Orthents

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 7.8 Min: 5.6
2	5 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 7.8 Min: 5.6

Soil Map ID: 14

Soil Component Name: Assumption

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.3 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.3 Min: 5.1
3	27 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 0.42	Max: 7.3 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
12	IL0027144	1/2 - 1 Mile NNE

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

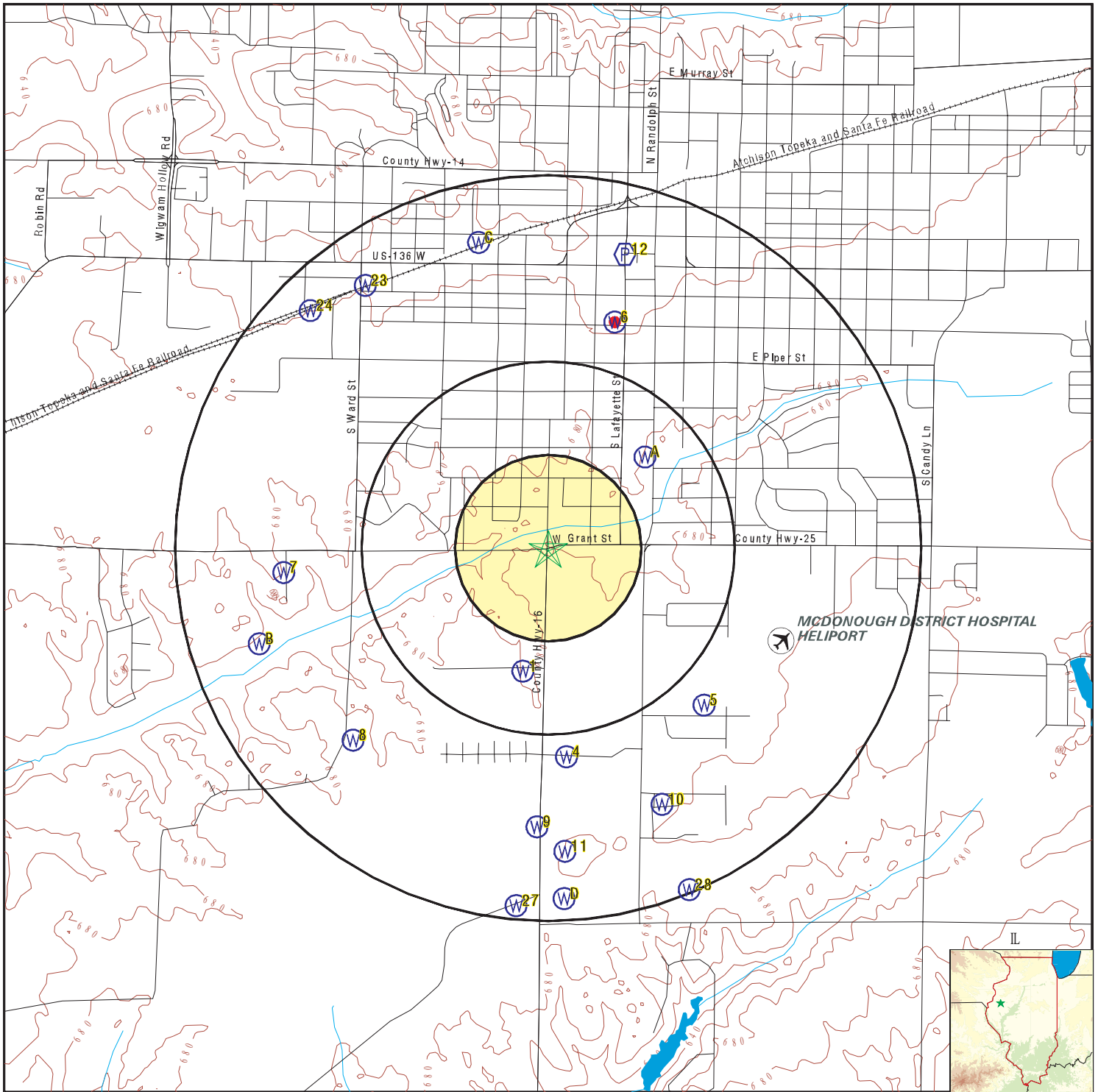
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	ILSG30000184103	1/4 - 1/2 Mile SSW
A2	ILSG30000185023	1/4 - 1/2 Mile NE
A3	ILSG30000185024	1/4 - 1/2 Mile NE
4	ILSG30000184133	1/2 - 1 Mile South
5	ILSG30000184858	1/2 - 1 Mile SE
6	ILSG30000184045	1/2 - 1 Mile NNE
7	ILSG30000184389	1/2 - 1 Mile West
8	ILSG30000184149	1/2 - 1 Mile SW
9	ILSG30000184101	1/2 - 1 Mile South
10	ILSG30000184777	1/2 - 1 Mile SSE
11	ILSG30000184802	1/2 - 1 Mile South
B13	ILSG30000184392	1/2 - 1 Mile WSW
B14	ILSG30000184390	1/2 - 1 Mile WSW
B15	ILSG30000184391	1/2 - 1 Mile WSW
C16	ILSG30000185181	1/2 - 1 Mile NNW
C17	ILSG30000185180	1/2 - 1 Mile NNW
C18	ILSG30000185179	1/2 - 1 Mile NNW
C19	ILSG30000185182	1/2 - 1 Mile NNW
C20	ILSG30000185185	1/2 - 1 Mile NNW
C21	ILSG30000185184	1/2 - 1 Mile NNW
C22	ILSG30000185183	1/2 - 1 Mile NNW
23	ILSG30000184056	1/2 - 1 Mile NW
24	ILSG30000184057	1/2 - 1 Mile NW
D25	ILSG30000184351	1/2 - 1 Mile South
D26	ILSG30000185341	1/2 - 1 Mile South
27	ILSG30000185424	1/2 - 1 Mile South
28	ILSG30000184859	1/2 - 1 Mile SSE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

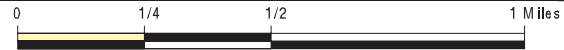
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	ILOG10000185913	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 5817969.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Macomb SRTS
 ADDRESS: Johnson Street/West Grant Street
 Macomb IL 61455
 LAT/LONG: 40.447792 / 90.675702

CLIENT: Kaskaskia Engineering Group, LLC
 CONTACT: Amanda Friedrich
 INQUIRY #: 5817969.2s
 DATE: October 07, 2019 12:17 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SSW
1/4 - 1/2 Mile
Higher

IL WELLS ILSG30000184103

Database:	Water Well Records	API #:	121090053100
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Logan, Hazel	Well:	Not Reported
Driller:	Groves, Forest E.	Date Drilled:	0
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	140	Lithologic Formation:	Penn. sandstone
Top of Formation (ft):	115	Bottom of Formation (ft):	130
Pump Flow (gal/min):	9		

A2
NE
1/4 - 1/2 Mile
Higher

IL WELLS ILSG30000185023

Database:	Water Well Records	API #:	121092241700
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Randolph St.over Kiljordan Creek	Driller:	owner
Well:	1	Elevation:	0
Date Drilled:	0	Total Depth:	0
Elevation Reference:	Not Reported	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

A3
NE
1/4 - 1/2 Mile
Higher

IL WELLS ILSG30000185024

Database:	Water Well Records	API #:	121092241800
IL State Water Survey P #:	0	Status:	Engineering Test
Well Name:	Randolph St.over Kiljordan Creek	Driller:	owner
Well:	2	Elevation:	0
Date Drilled:	0	Total Depth:	0
Elevation Reference:	Not Reported	Top of Formation (ft):	0
Lithologic Formation:	Not Reported	Pump Flow (gal/min):	0
Bottom of Formation (ft):	0		

4
South
1/2 - 1 Mile
Higher

IL WELLS ILSG30000184133

Database:	Water Well Records	API #:	121090062600
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Hawthorne, Robert	Well:	1
Driller:	Johnson, James P.	Date Drilled:	1969 5 2
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	320	Lithologic Formation:	limestone
Top of Formation (ft):	300	Bottom of Formation (ft):	320

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Flow (gal/min): 35

**5
SE
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184858

Database:	Water Well Records	API #:	121092219600
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Eggers, Verne H.	Well:	Not Reported
Driller:	owner	Date Drilled:	1966 5 1
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	167	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	28		

**6
NNE
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184045

Database:	Water Well Records	API #:	121090041300
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	City Well	Well:	Not Reported
Driller:	owner	Date Drilled:	1987 1 1
Elevation:	700	Elevation Reference:	Ground level
Total Depth:	1630	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**7
West
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184389

Database:	Water Well Records	API #:	121092095700
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Derry, Robert	Well:	2
Driller:	owner	Date Drilled:	1964 922
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	262	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	35		

**8
SW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184149

Database:	Water Well Records	API #:	121090064400
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Hutchinson, Willard	Well:	1
Driller:	Johnson, James P.	Date Drilled:	1970 2 3
Elevation:	0	Elevation Reference:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total Depth:	180	Lithologic Formation:	sandstone
Top of Formation (ft):	160	Bottom of Formation (ft):	180
Pump Flow (gal/min):	6		

9
South
1/2 - 1 Mile
Higher

IL WELLS ILSG30000184101

Database:	Water Well Records	API #:	121090052900
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Fugate, Dwight E.	Well:	Not Reported
Driller:	Groves, Forest E.	Date Drilled:	1968 429
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	140	Lithologic Formation:	Penn. sandstone
Top of Formation (ft):	120	Bottom of Formation (ft):	130
Pump Flow (gal/min):	3		

10
SSE
1/2 - 1 Mile
Higher

IL WELLS ILSG30000184777

Database:	Water Well Records	API #:	121092199100
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Olson, Louis	Well:	Not Reported
Driller:	Cole, Raymond J.	Date Drilled:	1992 6 3
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	305	Lithologic Formation:	limestone
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

11
South
1/2 - 1 Mile
Higher

IL WELLS ILSG30000184802

Database:	Water Well Records	API #:	121092204200
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Zorenk, Dean	Well:	Not Reported
Driller:	Groves, Alan	Date Drilled:	1993 4 3
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	308	Lithologic Formation:	B.K. limestone
Top of Formation (ft):	285	Bottom of Formation (ft):	300
Pump Flow (gal/min):	0		

12
NNE
1/2 - 1 Mile
Higher

FRDS PWS IL0027144

Epa region:	05	State:	IL
Pwsid:	IL0027144	Pwsname:	HAMMOND SALES
Cityserved:	Not Reported	Stateserved:	IL

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Zipserved:	Not Reported	Fipscounty:	17109
Status:	Closed	Retpopsrvd:	50
Pwssvconn:	0	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	unknown
Contact:	HAMMOND SALES	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	Not Reported
Contactaddress2:	R 136 W	Contactcity:	MACOMB
Contactstate:	IL	Contactzip:	61455
Pwsactivitycode:	I		
PWS ID:	IL0027144	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	IL0027144
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000050
System name:	HAMMOND SALES	System address:	Not Reported
System address:	R 136 W	System city:	MACOMB
System state:	IL	System zip:	61455
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	402733	Longitude:	0904018

B13
WSW
1/2 - 1 Mile
Lower

IL WELLS ILSG30000184392

Database:	Water Well Records	API #:	121092096000
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Derry, Robert	Well:	4
Driller:	owner	Date Drilled:	1966 328
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	44	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	4		

B14
WSW
1/2 - 1 Mile
Lower

IL WELLS ILSG30000184390

Database:	Water Well Records	API #:	121092095800
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Derry, Robert	Well:	1
Driller:	owner	Date Drilled:	1966 328
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	143	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B15
WSW
1/2 - 1 Mile
Lower

IL WELLS ILSG30000184391

Database:	Water Well Records	API #:	121092095900
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Derry, Robert	Well:	3
Driller:	owner	Date Drilled:	1966 328
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	43	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	3		

C16
NNW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000185181

Database:	Water Well Records	API #:	121092272100
IL State Water Survey P #:	308185	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-4
Driller:	AEOC	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

C17
NNW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000185180

Database:	Water Well Records	API #:	121092272000
IL State Water Survey P #:	308186	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-3
Driller:	Advanced Environmental	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

C18
NNW
1/2 - 1 Mile
Higher

IL WELLS ILSG30000185179

Database:	Water Well Records	API #:	121092271900
IL State Water Survey P #:	308188	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-1
Driller:	AEOC	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	30	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Flow (gal/min): 0

**C19
NNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000185182

Database:	Water Well Records	API #:	121092272200
IL State Water Survey P #:	308184	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-5
Driller:	Advanced Environmental	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**C20
NNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000185185

Database:	Water Well Records	API #:	121092272500
IL State Water Survey P #:	308181	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-8
Driller:	AEOC	Date Drilled:	1998 520
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**C21
NNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000185184

Database:	Water Well Records	API #:	121092272400
IL State Water Survey P #:	308182	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-7
Driller:	AEOC	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**C22
NNW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000185183

Database:	Water Well Records	API #:	121092272300
IL State Water Survey P #:	308183	Status:	Water Well Monitoring Well
Well Name:	Wareco Service Inc.	Well:	MW-6
Driller:	AEOC	Date Drilled:	199612 5
Elevation:	0	Elevation Reference:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total Depth:	15	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**23
NW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184056

Database:	Water Well Records	API #:	121090043200
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Barsi, Sam	Well:	Not Reported
Driller:	owner	Date Drilled:	1946 1 1
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	240	Lithologic Formation:	lime
Top of Formation (ft):	240	Bottom of Formation (ft):	350
Pump Flow (gal/min):	20		

**24
NW
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184057

Database:	Water Well Records	API #:	121090043300
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Macomb Sewer Pipe Co.	Well:	1
Driller:	Water Well	Date Drilled:	1914 8 1
Elevation:	698	Elevation Reference:	Ground level
Total Depth:	800	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	0		

**D25
South
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000184351

Database:	Water Well Records	API #:	121092091800
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Macomb Community Theater	Well:	Not Reported
Driller:	owner	Date Drilled:	1973 7 31
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	324	Lithologic Formation:	Not Reported
Top of Formation (ft):	0	Bottom of Formation (ft):	0
Pump Flow (gal/min):	35		

**D26
South
1/2 - 1 Mile
Higher**

IL WELLS ILSG30000185341

Database:	Water Well Records	API #:	121092288900
IL State Water Survey P #:	345267	Status:	Water Well
Well Name:	Miller, Jean & Tom	Well:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Driller:	Bassham, Billy	Date Drilled:	2002 926
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	300	Lithologic Formation:	limestone
Top of Formation (ft):	220	Bottom of Formation (ft):	300
Pump Flow (gal/min):	2		

27
South
1/2 - 1 Mile
Higher

IL WELLS ILSG30000185424

Database:	Water Well Records	API #:	121092297400
IL State Water Survey P #:	420060	Status:	Water Well
Well Name:	Lonergan, Gerald	Well:	1
Driller:	Bassham, Billy	Date Drilled:	20061031
Elevation:	0	Elevation Reference:	Not Reported
Total Depth:	300	Lithologic Formation:	limestone
Top of Formation (ft):	197	Bottom of Formation (ft):	300
Pump Flow (gal/min):	5		

28
SSE
1/2 - 1 Mile
Higher

IL WELLS ILSG30000184859

Database:	Water Well Records	API #:	121092219700
IL State Water Survey P #:	0	Status:	Water Well
Well Name:	Eggers, Verne	Well:	Not Reported
Driller:	owner	Date Drilled:	1966 1 1
Elevation:	690	Elevation Reference:	Topographic map
Total Depth:	185	Lithologic Formation:	gravel
Top of Formation (ft):	180	Bottom of Formation (ft):	185
Pump Flow (gal/min):	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NNE
1/2 - 1 Mile

OIL_GAS ILOG10000185913

API #: 121090041400
Status: Unknown

Date Completed: 01-JAN-34

Permit #: 0
Status: Unknown
Formation: Not Reported
Well Name: Macomb Dairy Co.
Elevation: 700
Completion Date: Jan 01, 1934 00:00:00

Permit Date: null
Max Depth: 356
Company Name: Cole, W. T.
Well #: 0
Logs: null
Elevation Reference: DEM

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: IL Radon

Radon Test Results

Zipcode	Result
61455	1.1
61455	0.8
61455	5.3
61455	2.3
61455	1.3
61455	1
61455	4.1
61455	14.5
61455	4
61455	5.2
61455	6.2
61455	3.7
61455	14.8
61455	10.3
61455	0.1
61455	9.6
61455	4.7
61455	1.9
61455	6.6

Federal EPA Radon Zone for MCDONOUGH County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 61455

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.757 pCi/L	86%	0%	14%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Illinois State Geological Survey

Telephone: 217-333-4747

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing

Source: Illinois State Geological Survey

Telephone: 217-333-5109

Oil and gas wells location points from the Illinois State Geological Survey database.

Water Well Records

Source: Illinois Geological Survey

Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Water Well Location Information

Source: Illinois Environmental Protection Agency

Telephone: 217-782-0810

RADON

State Database: IL Radon

Source: Department of Nuclear Safety

Telephone: 217-785-9958

County Radon Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX C
BORING LOGS



Huff & Huff, Inc.
 915 Harger Road, Suite 330
 Oak Brook, IL 60523
 (630)-984-9100

BORING NUMBER SB-N

CLIENT City of Macomb **PROJECT NAME** IMEG Macomb - Safe Routes to School PSI
PROJECT NUMBER 81.0220656.00 **PROJECT LOCATION** Macomb, McDonough County, IL
DATE STARTED 12/5/19 **COMPLETED** 12/5/19 **GROUND ELEVATION** 678 +/- 2 **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Environmental Soil Probing
DRILLING METHOD Direct Push **GROUND WATER LEVELS (ft, bgs):**
LOGGED BY AHK **CHECKED BY** JJR
DRILL RIG 7822DT Track Geoprobe

DATE	TIME	DEPTH	CASING	STAB
5/14/2019	DD	DRY		

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 12/18/19 14:32 - J:\81.0220656.00 MACOMB SAFE ROUTES TO SCHOOL PSI\REPORTS\APPENDIX C - BORING LOGS\12.5.19_MACOMB_BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE TYPE NUMBER (Depth Interval)	PID RESULTS (PPM)	RECOVERY (feet)	POCKET PEN. (tsf)
0.0		: Black TOPSOIL (TOPSOIL)					
		: Black Silty CLAY (CL-ML), trace SAND (SW) and GRAVEL(GW), moist			0.0		
		S-1: Brown to Gray Silty CLAY (CL-ML), trace SAND (SW) and Gravel (GW), moist	1	S-1 (1-3)	0.0	2	
2.5		:		(3-5)	0.0	2	
5.0		S-2:	1	S-2 (5-7)	0.0	2	
7.5		S-3:	1	S-3 (7-8)	0.0	1	

: End of boring at 8' BGS. Boring immediately backfilled with remaining soil and capped with asphalt patch

- REMARKS**
- 1. Sample Collected
 - 1. Sample Collected
 - 1. Sample Collected



Huff & Huff, Inc.
 915 Harger Road, Suite 330
 Oak Brook, IL 60523
 (630)-984-9100

BORING NUMBER SB-S

CLIENT City of Macomb **PROJECT NAME** IMEG Macomb - Safe Routes to School PSI
PROJECT NUMBER 81.0220656.00 **PROJECT LOCATION** Macomb, McDonough County, IL
DATE STARTED 12/5/19 **COMPLETED** 12/5/19 **GROUND ELEVATION** 679 +/- 2 **HOLE SIZE** inches
DRILLING CONTRACTOR GZA Drilling
DRILLING METHOD Hand Auger **GROUND WATER LEVELS (ft, bgs):**

DATE	TIME	DEPTH	CASING	STAB
5/14/2019	DD	DRY		

LOGGED BY AHK **CHECKED BY** JJR
DRILL RIG Hand Auger

ENVIRONMENTAL BH COLUMN W/ REMARKS - GINT STD US LAB.GDT - 12/18/19 14:32 - J:\81.0220656.00 MACOMB SAFE ROUTES TO SCHOOL PSI\REPORTS\APPENDIX C - BORING LOGS\12.5.19_MACOMB_BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS	SAMPLE TYPE NUMBER (Depth Interval)	PID RESULTS (PPM)	RECOVERY (feet)	POCKET PEN. (tsf)
0		: Black TOPSOIL (TOPSOIL)					
		: Black Silty CLAY (CL-ML), trace SAND (SW)and GRAVEL(GW), moist			0.0	1	
1		S-1: Brown to Gray Silty CLAY (CL-ML), trace SAND (SW) and Gravel (GW), moist	1	S-1 (1-2)	0.0	1	
2		:		(2-3)	0.0	1	
3		S-2:	1	S-2 (3-4)	0.0	1	
4		: End of boring at 8' BGS. Boring immediately backfilled with remaining soil and capped with asphalt patch					

REMARKS
 1. Sample Collected
 1. Sample Collected



APPENDIX D

LABORATORY ANALYTICAL REPORT



**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

December 13, 2019

Mr. Adam Kittler
HUFF & HUFF INC.
915 Harger Road
Suite 330
Oak Brook, IL 60523

Project ID: 235 W Grant St.
First Environmental File ID: 19-7490
Date Received: December 06, 2019

Dear Mr. Adam Kittler:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 1002922019-1: effective 08/22/2019 through 02/28/2020.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Ryan Gerrick
Project Manager



Case Narrative

HUFF & HUFF INC.

Lab File ID: **19-7490**

Project ID: **235 W Grant St.**

Date Received: **December 06, 2019**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
19-7490-001	SB-N 5-7	12/5/2019 10:30
19-7490-002	SB-S 1-2	12/5/2019 11:16

Sample Batch Comments:

Sample acceptance criteria were met.

The following analyses have been subcontracted to the indicated laboratory:

Analysis

Subcontractor:

Herbicides

STAT ANALYSIS CORP. Chicago, IL



**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

HUFF & HUFF INC.

Lab File ID: **19-7490**

Project ID: **235 W Grant St.**

Date Received: **December 06, 2019**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-N 5-7
Sample No: 19-7490-001

Date Collected: 12/05/19
Time Collected: 10:30
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 12/06/19				
Total Solids	77.61		%	
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 12/11/19				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



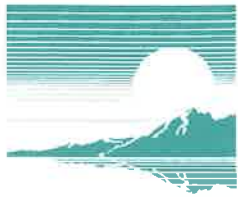
Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-N 5-7
Sample No: 19-7490-001

Date Collected: 12/05/19
Time Collected: 10:30
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 12/11/19				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 12/10/19		Preparation Method 3546		
		Preparation Date: 12/08/19		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pesticides		Method: 8081A		
Analysis Date: 12/10/19		Preparation Method 3546		
		Preparation Date: 12/08/19		
Aldrin	< 8.0	8.0	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-N 5-7
Sample No: 19-7490-001

Date Collected: 12/05/19
Time Collected: 10:30
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Pesticides				
Method: 8081A		Preparation Method 3546		
Analysis Date: 12/10/19		Preparation Date: 12/08/19		
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80	ug/kg	
Toxaphene	< 160	160	ug/kg	
Herbicides				
Method: 8321B				
Analysis Date: 12/10/19				
2,4-Dichlorophenoxyacetic acid (2,4-D)	< 100	100	ug/kg	S
Silvex (2,4,5-TP)	< 100	100	ug/kg	S
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 12/10/19		Preparation Date: 12/09/19		
Arsenic	7.8	1.0	mg/kg	
Barium	174	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Chromium	15.5	0.5	mg/kg	
Lead	16.7	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	0.9	0.2	mg/kg	
Total Mercury				
Method: 7471B				
Analysis Date: 12/09/19				
Mercury	< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2				
Method: 9045D 2004				
Analysis Date: 12/09/19 13:10				
pH @ 25°C, 1:2	7.36		Units	



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-S 1-2
Sample No: 19-7490-002

Date Collected: 12/05/19
Time Collected: 11:16
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total		Method: 2540B		
Analysis Date: 12/06/19				
Total Solids	78.74		%	
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 12/11/19				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	



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Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-S 1-2
Sample No: 19-7490-002

Date Collected: 12/05/19
Time Collected: 11:16
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: 5035A/8260B		
Analysis Date: 12/11/19				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	

Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 12/10/19				
		Preparation Method 3546		
Preparation Date: 12/08/19				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	1,520	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	1,020	330	ug/kg	
Benzo(k)fluoranthene	889	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	1,520	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	2,410	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	1,140	330	ug/kg	
Pyrene	2,160	330	ug/kg	

Pesticides		Method: 8081A		
Analysis Date: 12/10/19				
		Preparation Method 3546		
Preparation Date: 12/08/19				
Aldrin	< 8.0	8.0	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St.
Sample ID: SB-S 1-2
Sample No: 19-7490-002

Date Collected: 12/05/19
Time Collected: 11:16
Date Received: 12/06/19
Date Reported: 12/13/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Pesticides				
Method: 8081A		Preparation Method 3546		
Analysis Date: 12/10/19		Preparation Date: 12/08/19		
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80	ug/kg	
Toxaphene	< 160	160	ug/kg	
Herbicides				
Method: 8321B				
Analysis Date: 12/10/19				
2,4-Dichlorophenoxyacetic acid (2,4-D)	< 100	100	ug/kg	S
Silvex (2,4,5-TP)	< 100	100	ug/kg	S
Total Metals				
Method: 6010C		Preparation Method 3050B		
Analysis Date: 12/10/19		Preparation Date: 12/09/19		
Arsenic	7.5	1.0	mg/kg	
Barium	173	0.5	mg/kg	
Cadmium	< 0.5	0.5	mg/kg	
Chromium	16.4	0.5	mg/kg	
Lead	66.3	0.5	mg/kg	
Selenium	< 1.0	1.0	mg/kg	
Silver	0.8	0.2	mg/kg	
Total Mercury				
Method: 7471B				
Analysis Date: 12/09/19				
Mercury	0.08	0.05	mg/kg	
pH @ 25°C, 1:2				
Method: 9045D 2004				
Analysis Date: 12/09/19 13:10				
pH @ 25°C, 1:2	7.77		Units	



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December 18, 2019

Mr. Adam Kittler
HUFF & HUFF INC.
915 Harger Road
Suite 330
Oak Brook, IL 60523

Project ID: 235 W Grant St
First Environmental File ID: 19-7672
Date Received: December 06, 2019

Dear Mr. Adam Kittler:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 1002922019-1: effective 08/22/2019 through 02/28/2020.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,



Stan Zaworski
Project Manager



Case Narrative

HUFF & HUFF INC.

Lab File ID: **19-7672**

Project ID: **235 W Grant St**

Date Received: **December 06, 2019**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
19-7672-001	SB-S 2-3	12/05/19 11:20
19-7672-002	SB-N 1-3	12/05/19 10:30

Sample Batch Comments:

Sample acceptance criteria were met.



Case Narrative

HUFF & HUFF INC.

Lab File ID: **19-7672**

Project ID: **235 W Grant St**

Date Received: **December 06, 2019**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St
Sample ID: SB-S 2-3
Sample No: 19-7672-001

Date Collected: 12/05/19
Time Collected: 11:20
Date Received: 12/06/19
Date Reported: 12/18/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, total		Method: 2540B		
Analysis Date: 12/13/19				
Total Solids	78.11		%	
Polynuclear Aromatic Hydrocarbons		Method: 8270C		
Analysis Date: 12/16/19				
		Preparation Method 3546		
Preparation Date: 12/16/19				
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	



Analytical Report

Client: HUFF & HUFF INC.
Project ID: 235 W Grant St
Sample ID: SB-N 1-3
Sample No: 19-7672-002

Date Collected: 12/05/19
Time Collected: 10:30
Date Received: 12/06/19
Date Reported: 12/18/19

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, total				
Analysis Date: 12/13/19				
Total Solids	80.36		%	

Polynuclear Aromatic Hydrocarbons Method: 8270C
 Analysis Date: 12/16/19

Preparation Method 3546
 Preparation Date: 12/16/19

Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	



First Environmental Laboratories, Inc.

First Environmental Laboratories
 1600 Shore Road, Suite D
 Naperville, Illinois 60563
 Phone: (630) 778-1200 • Fax: (630) 778-1233
 E-mail: firstinfo@firstenv.com • www.firstenv.com
 IEPA Certification #100292

CHAIN OF CUSTODY RECORD

Company Name: Hull & Hull
 Street Address: 965 West Hill
 City: DeKalb, IL State: IL Zip: 60153
 Phone: 224-433-5500 e-mail: ceden@hullandhull.com
 Send Report To: Adam K. Hill
 Sampled By: Adam K. Hill

Project ID: 235 W Grant St.

P.O. #: _____

Date/Time Taken	Sample Description	Matrix	Parameter(s)	Hold - Do Not Analyze	Comments	Lab ID.
12/3/14 1030	SR-N 1-7	S	VOC		19-31672-002	19-7490-001
071	SR-N 3-5		SUOC			
1040	SR-N 5-7		PNAS - per Adam Hill			
1040	SR-N 7-8		total Petroleum Hydrocarbons			
1115	SR-N 0-1		pH			
1116	SR-S 1-2					
1120	SR-S 2-3					
1123	SR-S 3-4				19-31672-001	19-7490-002

FOR LAB USE ONLY:
 Cooler Temperature: 0-1-6°C Yes ___ No ___ °C
 Received within 6 hrs. of collection: ___
 Ice Present: Yes ___ No ___

LAB COURIER USE ONLY:
 Sample Refrigerated: Yes ___ No ___ °C
 Refrigerator Temperature: ___ °C

Program: TACQ/SRP CCDD NPDES LUST SDWA

*Matrix Code Key: S-Soil SL-Sludge DW-Drinking Water
 WW-Wastewater GW-Groundwater WIPE-Wipe O-Other

Notes and Special Instructions: 5-day results not have

Relinquished By: [Signature] Date/Time: 12/6/15 11:00
 Relinquished By: _____ Date/Time: _____
 Received By: [Signature] Date/Time: 12/6/15 1:00
 Received By: _____ Date/Time: _____



APPENDIX E

BLANK LPC FORM 663



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification

by Licensed Professional Engineer or Licensed Professional Geologist

for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: _____ Office Phone Number, if available: _____

Physical Site Location (address, including number and street): _____

City: _____ State: _____ Zip Code: _____

County: _____ Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: _____ Longitude: - _____
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

Email, if available: _____

Site Operator

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):
b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, _____ (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

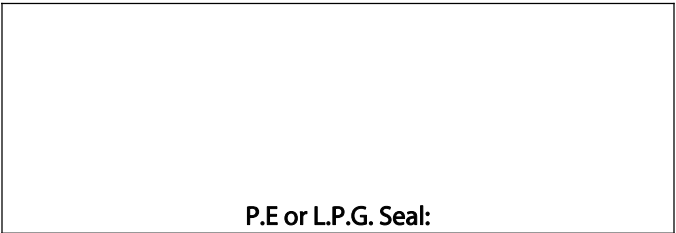
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____

Printed Name: _____

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



P.E or L.P.G. Seal:



Huff & Huff, a Subsidiary of GZA