

# Phase I Environmental Site Assessment

**Location:**

Tri-County Solar LLC  
Unaddressed Parcel on Route 25  
Parcel ID: 09-01-200-017  
St. Charles, Illinois 60120

**Prepared for:**

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Award/Client Project No. N/A

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# Table of Contents

<b>Executive Summary .....</b>	<b>1</b>
<b>1.0 Introduction .....</b>	<b>3</b>
1.1 Purpose .....	3
1.2 Scope of Work .....	5
1.3 Data Gaps .....	7
1.4 Limitations and Exceptions of Assessment .....	8
1.5 Reliance .....	8
<b>2.0 Subject Property and Vicinity Description .....</b>	<b>9</b>
2.1 Building Summary .....	9
2.2 Physical and Hydrogeological Setting .....	9
<b>3.0 User-Provided Information .....</b>	<b>11</b>
3.1 Reason For Performing Phase I ESA .....	12
<b>4.0 Site Reconnaissance .....</b>	<b>13</b>
4.1 Site Reconnaissance Summary of Findings .....	16
<b>5.0 Subject Property History and Use .....</b>	<b>17</b>
5.1 Sanborn Fire Insurance Maps .....	17
5.2 City Directories .....	17
5.3 Aerial Photographs .....	17
5.4 Topographic Maps .....	18
5.5 Municipal Records .....	18
5.6 Recorded Land Title Records .....	19
5.7 Additional Sources .....	19
5.8 Review of Previous Reports .....	19
5.9 Historical Summary of Findings .....	19
<b>6.0 Regulatory Information .....</b>	<b>21</b>
6.1 Regulatory Report Summary .....	21
6.2 Enforcement Action/Permitted Activities/Institutional Controls .....	29
6.3 Regulatory Agency File and Records Review .....	29
6.4 Regulatory Information Summary .....	29
<b>7.0 Interviews .....</b>	<b>30</b>
7.1 Owner/Subject Property Representative .....	30
7.2 Current Occupants .....	30
7.3 Former Owners/Operators/Occupants .....	30
7.4 Neighbors .....	30
7.5 Local Government Official .....	30
7.6 Local Fire Department .....	30
7.7 State Regulator .....	30



7.8	State and/or County Health Department .....	31
7.9	Summary of Interviews .....	31
<b>8.0</b>	<b>Additional Services/ASTM Non-Scope Considerations .....</b>	<b>32</b>
8.1	Emerging Contaminants .....	32
<b>9.0</b>	<b>Findings and Opinions .....</b>	<b>33</b>
9.1	Additional Investigation .....	33
<b>10.0</b>	<b>Conclusions .....</b>	<b>34</b>
<b>11.0</b>	<b>Environmental Professional Statement .....</b>	<b>35</b>
<b>12.0</b>	<b>References .....</b>	<b>36</b>
<b>13.0</b>	<b>List of Abbreviations/Acronyms .....</b>	<b>37</b>

## **Table of Appendices**

Site Maps  
User Provided Information  
Site Reconnaissance Worksheet  
Site Photographs  
Historical Information  
Owner/Operator-Provided Information  
Municipal Information  
Regulatory Information  
Qualifications  
Previous Reports



## EXECUTIVE SUMMARY

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LaBella Associates, D.P.C. (LaBella) has been contracted by Tri-County Solar LLC to perform a Phase I Environmental Site Assessment (ESA) report for the Tri-County Solar LLC property, located at an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Kane County, Illinois (hereinafter referred to as the "Subject Property").

This assessment was prepared according to the ASTM E1527-21 as a portion of the User's requirements in the All Appropriate Inquiries process and to satisfy the due diligence requirements set for Tri-County Solar LLC.

The Subject Property is further described as follows:

<b>Subject Property Name</b>	Tri-County Solar LLC
<b>Subject Property Address</b>	Unaddressed parcel on Route 25, St. Charles, Kane County, Illinois
<b>Subject Property Acreage (approximate)</b>	42.17
<b>Parcel ID(s)</b>	09-01-200-017
<b>Current Owner</b>	Tri County Landfill Co
<b>Current Subject Property Use/ Development</b>	The Subject Property consists of a capped landfill. A pump house is located on the southwestern corner of the Subject Property.
<b>Public Thoroughfares and Access/Egress</b>	Route 25 to the east
<b>Exterior Areas</b>	Vegetated land
<b>Surrounding Area</b>	Rural
<b>Subject Property Utilities</b>	
<b>Electric Source</b>	Public
<b>Natural Gas Source (if provided)</b>	N/A
<b>Potable Water Source</b>	N/A
<b>Sanitary Wastewater Disposal</b>	N/A
<b>Non-Sanitary Wastewater Disposal</b>	N/A; no non-sanitary wastewater is generated other than leachate associated with the capped landfill.

Based on LaBella's review of historical records, the history of the Subject Property is summarized as follows:



Time Period	Apparent Use/Development
At least 1932	No structures were depicted on the Subject Property
Between at least 1938 and 1946	Consisted of agricultural land with no apparent structures
Between at least 1961 and 1976	Utilized as an apparent quarry (1961) with later use as a municipal landfill with no apparent structures
Between at least 1981 and the present day	Capped landfill with no apparent structures other than the existing pump house

Based on the results of this assessment, no RECs have been identified in connection with the Subject Property.

Based on the results of this assessment, the following CREC has been identified in connection with the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Monitoring wells and an out of use gas vent pumping system were observed on-site at the time of the site reconnaissance. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place. The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfill operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.

Based on the results of this assessment, no HRECs, de minimis conditions, or significant data gaps have been identified in connection with the Subject Property.

**Based on the findings of this assessment, no additional investigation is warranted at this time. Long-term management of the Subject Property and any future site work/redevelopment should be conducted in accordance with the procedures/contingencies outlined within the ROD.**



## 1.0 INTRODUCTION

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LaBella has been contracted by Tri-County Solar LLC to perform a Phase I Environmental Site Assessment report for the Tri-County Solar LLC property, located at an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Kane County, Illinois.

The findings of this report are based upon an assessment of the condition of the Subject Property within the Scope of Work and objective described below as of the date of the site observations and documentation review. This assessment was prepared according to the ASTM Standard Practices E1527-21 as a portion of the User's requirements in the All Appropriate Inquiries process and to satisfy the due diligence requirements set for Tri-County Solar LLC. The information contained in this report is considered privileged and confidential and is intended solely for the use of the parties identified in [Section 1.5](#).

### 1.1 Purpose

This investigation was requested to identify, to the extent feasible, RECs in connection with the Subject Property, including the identification of conditions indicative of releases and threatened releases of hazardous substances and petroleum products on, or in the vicinity of the Subject Property. This Phase I ESA report was conducted in conformance with the Scope and Limitations of ASTM Standard Practice E1527-21.

The performance of ASTM Standard Practices E1527-21 is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and the potential liability for contamination to be present in connection with the Subject Property recognizing reasonable limits of time and cost. It is also intended to satisfy one of the requirements to satisfy "all appropriate inquiry" as defined by 42 U.S.C §9601(35)(B), for the purposes of qualifying for innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA Liability. The User should understand that this practice does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for landowner liability protections; including (1) the continuing obligation not to impede the integrity and effectiveness of activity and use limitations, (2) the duty to take reasonable steps to prevent releases, or (3) the duty to comply with legally required release reporting obligations.

The objective of this Phase I ESA was to determine the following, using our professional judgment, by means of the Scope of Work hereafter described:

1. A general description of the Subject Property.
2. The current and historical usage of the Subject Property and adjoining properties.
3. Whether RECs exist or have the potential to exist in, on, or at the Subject Property.
4. Whether Subject Property conditions suggest further evaluation based on the presence or probable presence of RECs.



5. Provide information which may assist the Client in evaluating the fair market value of the Subject Property.

A REC is defined by ASTM as (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition.

A Controlled REC is defined by ASTM as a recognized environmental condition affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

A Historical REC is defined by ASTM as a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

A de minimis condition is defined by ASTM as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.

The term “data gap” means a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). A significant data gap is one that affects the ability of the environmental professional to identify a REC.

The term "data failure" means the failure to achieve the historical research objective as specified in ASTM E-1527-21 even after reviewing the standard historical resources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Migration refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.



An Environmental Professional is a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors defined in the ASTM Standard Practice E1527-21 and §312.20 of 40 CFR §312. Specifically, an Environmental Professional is defined as a person having one of the following qualifications: (1) A state- or tribal-issued certification or license and three years of relevant, full-time work experience; (2) A bachelor's degree or higher in science or engineering and five years of relevant, full-time work experience; or, (3) 10 years of relevant, full-time work experience.

The date of first research illustrates the earliest date that information was collected for the purposes of this assessment. Under ASTM E1527-21, the report is presumed to be viable when conducted within 180 days prior to the date of acquisition of the Subject Property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). The following components must be conducted or updated within 180 days prior to the date of acquisition or transaction:

1. Interviews with owners, operators, and occupants;
2. Searches for recorded environmental cleanup liens (a user responsibility);
3. Reviews of federal, tribal, state, and local government records;
4. Visual inspections of the Subject Property and of adjoining properties; and
5. The declaration by the Environmental Professional responsible for the assessment or update.

The date of first research for the above components was March 28, 2025.

## **1.2 Scope of Work**

This Phase I Environmental Site Assessment has been prepared in accordance with ASTM E1527-21, which has been devised to address the site assessment portion for 40 CFR 312 - Innocent Landowners, Standards for Conducting All Appropriate Inquiries. The Scope of Work performed in this assessment is intended to identify RECs, CRECs, HRECs, de minimis conditions, and Significant Data Gaps through the following tasks:

1. Review of information provided by the User related to environmental cleanup liens; specialized knowledge or experience regarding the Subject Property; the relationship of the purchase price to the fair market value of the property, if the property were not contaminated; and, commonly known or reasonably available information about the Subject Property.
2. Review of local, state, and federal environmental records.
3. Review of historical sources of information to identify the use of the Subject Property dating back to 1940 or first Subject Property development, whichever is earlier.
4. Review of physical and geological settings.
5. Interviews with current and past owners, operators, and occupants to evaluate the potential for environmental contamination to be present at the Subject Property.



6. Inspection of the Subject Property and adjacent properties, to visually identify areas of concern. Adjacent properties were inspected from public roadways and the Subject Property boundaries to the extent possible.
7. The preparation of this report documenting all appropriate inquiries.

The work for this report has been performed in accordance with generally accepted environmental engineering practices for this region. The findings of this report are based upon the opinion and judgment of an Environmental Professional and are dependent upon LaBella's knowledge, the information supplied during the interviews, and data and information solicited from governmental agencies. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

In addition, LaBella cannot provide guarantees, certifications, or warranties that the Subject Property is or is not free of contamination without a subsurface investigation involving drilling, vapor analysis, laboratory soil analysis, groundwater monitoring well installation, and laboratory groundwater analysis. Even with such a program, the data and samples from any given soil boring or monitoring well will indicate conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Subject Property as a whole.

#### *1.2.1 Significant Assumptions*

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Regional groundwater flow follows major topographic gradients.
- Representations made during interviews are accurate.





### 1.3 Data Gaps

LaBella encountered the following data gaps through the completion of this Phase I Environmental Site Assessment:

Nature of Data Gap	Details/Description	Data Sources Consulted
Limitations to site reconnaissance <sup>1</sup>	Observations were limited due to vegetation.	N/A; refer to <a href="#">Section 4.0</a> for site reconnaissance methodology.
Historical Use	Historical uses were not obtained for each five-year period.	Aerial photographs, city directories, topographic maps, title records, and previous studies
Regulatory Records Review	LaBella has yet to receive complete responses from all regulatory information requests.	Outstanding FOIL responses from the Kane County Clerk and KCHD
Interviews	No prior owners, occupants, or operators were identified in the provided records; as such, they could not be interviewed.  LaBella has yet to receive a completed owner interview form.	Current owners, municipal, and/or User-provided records to identify historical ownership information. Focused online search for contact information.
User	LaBella has yet to receive a completed User Questionnaire.	User
Any significant data gaps (a data gap that affects the ability of the environmental professional to identify a REC) are discussed within the Findings and Opinions section of this report. <sup>1</sup> See Limitations and Exceptions of Assessment below for additional limitations of the site visit.		



#### **1.4 Limitations and Exceptions of Assessment**

ASTM E1527-21 expressly recognized the fact that no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. LaBella's work is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property, and its Scope of Work reflects recognition of the reasonable limits of time and cost.

The work for this report has been performed in accordance with the agreement signed with Tri-County Solar LLC. The conclusions of this report are based upon LaBella's opinion and judgment and are necessarily dependent on information supplied by the individuals, entities, and agencies contacted through the course of this assessment. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

The actual presence of asbestos, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, endangered species, indoor air quality, mold, substances not defined as hazardous substances, cultural and historical resources, archeological resources, ecological resources, industrial hygiene, health and safety, biological agents, and/or high voltage power lines, are not included in the Scope of Work of this assessment unless agreed to by Tri-County Solar LLC and LaBella; in such a case, these additional services/ASTM Non-Scope Considerations are discussed in Section 8.0 below. Should Tri-County Solar LLC desire any of these additional services, such can be completed by LaBella under separate cover; however, they are not included in the Scope of Work of the Phase I ESA.

The site reconnaissance was limited to visual observations of accessible areas only. No attempt was made to observe conditions in spaces not generally accessible, including but not limited to:

1. Entering crawlspaces and attics
2. Walking on roofs
3. Viewing the interior of pipe chases or plenum
4. Viewing spaces concealed by walls, floors, ceilings, interior finishes, etc.
5. Viewing areas inaccessible due to topographic features or locked doors, obscured by snow cover, vegetative growth, vehicles, etc.

The site reconnaissance was also limited to visual observations within the perimeter of the Subject Property and other accessible areas only. At the time of the site reconnaissance, a representative portion of the Subject Property and common areas were visually inspected.

#### **1.5 Reliance**

Tri-County Solar LLC may rely upon the findings of this report and should be aware of the agreed upon Scope of Work and the limitations associated with this Scope of Work.



## 2.0 SUBJECT PROPERTY AND VICINITY DESCRIPTION

The Subject Property is summarized in the tables below. Property boundaries for the purpose of this assessment were determined based on provided survey mapping and/or tax maps obtained through municipal sources. Subject Property Location and Tax Parcel maps for the Subject Property are located in the [Site Maps](#) Appendix.

<b>Subject Property Name</b>	Tri-County Solar LLC
<b>Subject Property Address</b>	Unaddressed parcel on Route 25, St. Charles, Kane County, Illinois
<b>Subject Property Acreage (approximate)</b>	42.17
<b>Parcel ID(s)</b>	09-01-200-017
<b>Current Owner</b>	Tri County Landfill Co
<b>Current Subject Property Use/ Development</b>	The Subject Property consists of a capped landfill. A pump house is located on the southwestern corner of the Subject Property.
<b>Public Thoroughfares and Access/Egress</b>	Route 25 to the east
<b>Exterior Areas</b>	Vegetated land
<b>Surrounding Area</b>	Rural
<b>Subject Property Utilities</b>	
<b>Electric Source</b>	Public
<b>Natural Gas Source (if provided)</b>	N/A
<b>Potable Water Source</b>	N/A
<b>Sanitary Wastewater Disposal</b>	N/A
<b>Non-Sanitary Wastewater Disposal</b>	N/A; no non-sanitary wastewater is generated other than leachate associated with the capped landfill.

### 2.1 Building Summary

There are no buildings located on the Subject Property other than a pump house on the southwestern corner of the capped landfill.

### 2.2 Physical and Hydrogeological Setting

Based on a review of provided records, the following information was obtained regarding the physical and hydrogeological setting of the Subject Property:



<b>Topography</b>	Sloping radially away from the Subject Property
<b>Elevation (feet above mean sea level)</b>	Between 750 and 789
<b>Subject Property Water Bodies</b>	None
<b>Nearest Water Body</b>	Freshwater pond approximately 265 feet to the northeast
<b>Apparent Groundwater Flow in Surrounding Area</b>	Radially away from the Subject Property
<b>Soil Map Unit(s)</b>	Orthents - well drained soils with moderately high runoff potential when thoroughly wet. Slopes range from 1 to 6 percent.
<b>Geological Information</b>	Silurian; consists of dolostone and limestone from the Silurian
<b>Anticipated Depth to Bedrock (feet)</b>	Greater than seven; reviewed remedial documentation suggests that bedrock ranges from 10 to 50 feet below ground surface on-site.
<b>Anticipated Depth to Groundwater (feet)</b>	Greater than nine feet based on reviewed sampling data.

Refer to Figure 1 for a copy of the Subject Property Location/Topographic Map. Copies of the soil and geological maps and associated descriptions are summarized in the ERIS Physical Setting Report included in the [Hydrogeologic Information](#) Appendix. Groundwater flow was determined based on interpretation of the USGS topographic map and/or provided previous studies.



### 3.0 USER-PROVIDED INFORMATION

In accordance with the ASTM E1527-21, a “User” is defined as the party seeking to complete an environmental site assessment of the property. If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the Subject Property, it is the user’s responsibility to communicate any information based on such specialized knowledge or experience to the Environmental Professional. The User Questionnaire was completed during a previous Phase I ESA by Raquel Rayes of Greenwood Sustainable Infrastructure LLC. The User indicated that the information has not changed since the previous report.

ASTM Standard Practice E1527-21 User Questionnaire Questions	Reported by User
<b>Land Title Records</b>	
Are land title records available for review?	Land title records were provided to LaBella for review (refer to Section 5.6).
<b>Environmental Liens or Activity Use Limitations</b>	
Did a search of <i>recorded land title records</i> identify any environmental liens filed or recorded against the <i>property</i> under federal, tribal, state or local law?	The User did not report environmental liens currently recorded against or relating to the property.
Did a search of <i>recorded land title records</i> identify any AULs, such as <i>engineering controls</i> , land use restrictions or <i>institutional controls</i> that are in place at the <i>property</i> and/or have been filed or recorded against the <i>property</i> under federal, tribal, state or local law?	The User reported that the landfill caps cannot be penetrated or interfered with.
<b>Specialized Knowledge</b>	
Does the <i>User</i> of this <i>ESA</i> have any specialized knowledge or experience related to the <i>property</i> or nearby properties? For example, is the <i>User</i> involved in the same line of business as the current or former <i>occupants</i> of the <i>property</i> or an <i>adjacent property</i> so that the <i>User</i> would have specialized knowledge of the chemicals and processes used by this type of business?	The User does not have any specialized knowledge or experiences related to the property or nearby properties.
<b>Commonly Known or Reasonably Ascertainable Information</b>	
Is the <i>User</i> aware of commonly known or <i>reasonably ascertainable</i> information about the	The User is aware that the Subject Property is a discontinued commercial, business, and municipal landfill site.



ASTM Standard Practice E1527-21 User Questionnaire Questions	Reported by User
<i>property</i> that would help identify conditions indicative of releases or threatened releases?	
Based on the <i>User's</i> knowledge and experience related to the <i>property</i> are there any <i>obvious</i> indicators that point to the presence or likely presence of releases at the <i>property</i> ?	The User is aware of obvious indicators that point to the presence or likely presence of contamination at the Subject Property.
<b>Valuation Reduction for Environmental Issues</b>	
Does the purchase price being paid for the <i>property</i> reasonably reflect the fair market value of the <i>property</i> ?	The User answered this question with an "unknown" response.
If the <i>User</i> concluded that there is a difference, has the <i>User</i> considered whether the lower purchase price is because contamination is known or believed to be present at the <i>property</i> ?	N/A

### 3.1 Reason For Performing Phase I ESA

According to ASTM 1527-21, either the User shall make known to the Environmental Professional the reason why the User wants to have the Phase I ESA performed or, if the User does not identify the purpose of the Phase I ESA, the Environmental Professional shall assume the purpose is to qualify for the Landowner Liability Protections under the Brownfields Amendments. LaBella understands that the Phase I ESA is being completed as part of planned solar development.



## 4.0 SITE RECONNAISSANCE

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LaBella conducted a site reconnaissance of the Subject Property as well as observations of adjacent properties as viewed from the Subject Property boundaries and public roadways, to the extent possible, to visually identify areas of concern. The site reconnaissance was conducted on March 28, 2025 by Thad Krueger, Environmental Geologist with LaBella. At the time of the site reconnaissance, LaBella was accompanied by Rod Stipe, District Manager, who has been associated with the Subject Property for approximately 20 years.

Observations discussed in this Section are noted on [Figure 3](#). Copies of the field notes taken during the site reconnaissance are included in the [Site Reconnaissance Worksheet](#) Appendix. Representative photographs of the Subject Property at the time of the site reconnaissance are included in the [Site Photographs](#) Appendix.

Visual observations were limited at the time of the site reconnaissance due to vegetative growth. Additional site visit limitations are discussed in [Section 1.4](#).

### ***Past Uses of Subject Property***

No apparent indicators that would indicate historical uses of the Subject Property (e.g., signs, equipment, etc.) were observed at the time of the site reconnaissance.

### ***Hazardous Substances and Petroleum Products***

No apparent hazardous substances or petroleum products were observed on the Subject Property.

### ***Unidentified Substance Containers***

There were no unidentified substance containers (e.g., unlabeled drums or totes) observed at the time of the site reconnaissance.

### ***Storage Tanks***

No apparent indications of aboveground or underground storage tanks (e.g., fill ports, vent pipes, access ways, etc.) were observed at the Subject Property at the time of the site visit.

### ***Solid, Hazardous, and/or Regulated Wastes***

There were no solid, hazardous, and/or regulated wastes observed to be stored, generated, or discarded on the Subject Property.



Evidence of fill material was observed throughout the Subject Property in the form of a landfill cap. Refer to [Section 6.1.1](#) for further information.

### **Odors**

No apparent strong, pungent, or noxious odors were observed at the Subject Property at the time of the site reconnaissance.

### **Standing Water/ Pools of Liquid**

No apparent pools, sumps, or standing water containing liquids likely to be hazardous substances or petroleum products were observed at the Subject Property at the time of the site visit.

### **PCB-Containing Equipment**

The following potential PCB-containing equipment was observed at the time of the site reconnaissance:

Potential PCB-Containing Equipment	Location	Evidence of Leaks
One Pad-Mounted Transformer	Pump house interior	None

### **Stains and Corrosion**

No apparent stains or corrosion were observed at the time of the site reconnaissance.

### **Stressed Vegetation**

No apparent stressed vegetation was observed at the time of the site reconnaissance.

### **Drains and Sumps**

Drainage ditches were noted throughout the Subject Property. These drains reportedly discharge to stormwater ponds on the southwestern portion of the Subject Property. There were no stains, spills, or unusual odors noted in the vicinity of the storm drains at the time of the site reconnaissance.

Several sumps are located throughout the Subject Property. The sumps reportedly historically collected condensate from leachate to remove moisture prior to flaring. The sumps are reportedly no longer in operation.





### **Wastewater**

Non-sanitary wastewater does not appear to be generated or discharged at the Subject Property.

### **Septic Systems and/or Cesspools**

No apparent indications of septic systems or cesspools were observed at the time of the site reconnaissance or are reported to be located on the Subject Property.

### **Wells**

Several groundwater monitoring wells were observed on the Subject Property associated with remediation and/or monitoring. Refer to [Section 6.1.1](#).

No apparent potable, irrigation, dry, or injection wells were observed at the time of the site reconnaissance or are reported to be located on the Subject Property.

### **Additional Information**

In addition to the information summarized above, the following was identified at the time of the site reconnaissance:

- A pump house was located on the southwestern corner of the Subject Property. The pump house was historically utilized to pump and separate gas condensate from gas vents. Gas condensate was drained to sumps and hauled off-site by truck. A moisture separator and associated drum were located proximate to the pump house. It should be noted that the pump house and associated equipment are no longer in operation. No leaks, stains, spills, or unusual odors were noted in the vicinity of the pump house and equipment at the time of the site visit.

### **Adjacent Property Use**

The Subject Property is bordered by the following properties:



Direction	Current Use/Occupant	Apparent Past Use	Potential Concerns Visible During Site Visit
North	Capped landfill (7N930 Route 25) and Markaty Inc. DBA Cement Transport Company (7N904 Route 25)	Commercial	None
East	James Pate Phillip State Park (2050 West Stearns Road) and Blackjacks Gentleman's Club (7N657 Route 25)	Commercial	None
South	Everlast Blacktop (7N540 Route 25)	Commercial	None
West	Illinois Prairie Bike Path	Commercial	None

Refer to [Regulatory Information](#) below for additional information regarding the adjacent properties.

#### **4.1 Site Reconnaissance Summary of Findings**

Observations made by LaBella during the site reconnaissance identified the following features indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property:

- The Subject Property is a capped landfill. Evidence of fill material was observed throughout the Subject Property in the form of a landfill cap. In addition, groundwater monitoring wells were observed on-site in association with ongoing monitoring activities.
- A pump house was located on the southwestern corner of the Subject Property. The pump house was historically utilized to pump and separate gas condensate from gas vents. Gas condensate was drained to sumps and hauled off-site by truck. A moisture separator and associated drum were located proximate the pump house. It should be noted that the pump house and associated equipment are no longer in operation. No leaks, stains, spills, or unusual odors were noted in the vicinity of the pump house and equipment at the time of the site visit.



## 5.0 SUBJECT PROPERTY HISTORY AND USE

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LaBella attempted to review reasonably ascertainable and readily available standard sources of historical information as defined by the ASTM E1527-21 in order to identify all obvious uses of the Subject Property back to the first developed use or 1940, whichever is earlier (i.e., the historical research objective according to ASTM). Uses of the properties adjacent to the Subject Property are identified in this report only to the extent that this information was revealed in the course of researching the Subject Property itself and were determined at the discretion of the Environmental Professional. As such, LaBella reviewed only as many of these sources as necessary to achieve the historical research objective. Data failures and data gaps are identified, defined, and evaluated for their significance in [Section 1.3](#) of this report.

### 5.1 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps do not appear to provide coverage of the Subject Property and surrounding area. A copy of the “No Coverage” letter obtained from ERIS is included in the [Historical Information](#) Appendix.

### 5.2 City Directories

City Directory research was completed by ERIS. As the Subject Property is unaddressed, such was not listed in reviewed directories dated 1929, 1931, 1935, 1939, 1943, 1948, 1951, 1956, 1960, 1965, 1971, 1977, 1982, 1986, 1991, 1996-97, 2000, 2003, 2008, 2012, 2016, 2020, or 2022.

Review of the city directories indicated that properties surrounding the Subject Property were historically utilized for commercial purposes.

### 5.3 Aerial Photographs

The table below outlines observations of the Subject Property and surrounding area obtained from the review of aerial photographs. Copies of aerial photographs are included in the [Historical Information](#) Appendix.

Year	Location	Development
1938 and 1946	Subject Property	Agricultural land with no structures present
	Adjoining Properties and Surrounding Area	Agricultural land and utilized for apparent commercial purposes
1961, 1963, 1972, and 1974	Subject Property	Appears consistent with quarry (1961) and landfill (later years) operations with no structures present



Year	Location	Development
	Adjoining Properties and Surrounding Area	Agricultural land and utilized for apparent commercial purposes, including suspect landfills
1988, 1994, 1999, 2002, 2007, 2012, 2015, and 2019	Subject Property	Appears consistent with a capped landfill with no structures present other than the pump house.
	Adjoining Properties and Surrounding Area	Vacant land, agricultural land and utilized for apparent commercial purposes, including suspect landfills

The following adjacent property uses of potential concern were identified.

- The northern adjacent property appeared to be utilized as a landfill between at least 1961 and 1974.
- Eastern and western adjacent properties appear to have been utilized for quarry and/or landfill operations dating back to at least 1946.

#### 5.4 Topographic Maps

The table below outlines observations of the Subject Property and adjacent properties obtained from the review of topographic maps. Copies of topographic maps are included in the Historical Information Appendix.

Year	Location	Development
1932, 1949, and 1964	Subject Property	No structures were depicted on the Subject Property
	Adjoining Properties and Surrounding Area	Developed with various structures. Railroad tracks were located on the western adjacent property. Apparent mine/quarry operations were noted to the west in 1949.

#### 5.5 Municipal Records

Limited assessment information was obtained from the Kane County GIS website on March 28, 2025. The following information was obtained from these records. Copies of municipal records are included in the [Municipal Information](#) Appendix.

	Findings/Details
Parcel ID(s)	09-01-200-017
Subject Property Size (acres)	42.17
Current Owner	Tri County Landfill Co



	Findings/Details
Former Owners	Not listed
Square Footage of Building(s)/Date(s) of Construction	N/A
Provided Utilities	Not listed

### **5.6 Recorded Land Title Records**

According to the User's Responsibility section of the ASTM Standard Practice E1527-21, "to meet the requirements of 40 C.F.R. 321.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the subject property must be conducted." ASTM also states that the User's requirements "do not impose on the environmental professional the responsibility to undertake a review of land title records or judicial records for environmental liens or AULs." In accordance with the ASTM Standard Practice E1527-21, LaBella has requested the User provide copies of the title records for the Subject Property.

Review of title records for the Subject Property provided by Greenwood Sustainable Infrastructure LLC indicate that the Subject Property is currently owned by Tri-County Landfill Co.

Copies of these title records are included in the [Historical Information](#) Appendix.

### **5.7 Additional Sources**

No additional historical sources were reviewed.

### **5.8 Review of Previous Reports**

The current study is an update of a previous Phase I ESA completed by LaBella and dated February 7, 2024. Information from that report has been incorporated herein.

### **5.9 Historical Summary of Findings**

Based on LaBella's review of historical sources, the history of the Subject Property is as follows:



Time Period	Apparent Use/Development
At least 1932	No structures were depicted on the Subject Property
Between at least 1938 and 1946	Consisted of agricultural land with no apparent structures
Between at least 1961 and 1976	Utilized as an apparent quarry (1961) with later use as a municipal landfill with no apparent structures
Between at least 1981 and the present day	Capped landfill with no apparent structures other than the existing pump house

Based on LaBella's review of historical information, the adjacent properties were historically undeveloped or utilized for commercial and agricultural purposes. The following adjacent property uses of potential concern were identified:

- The northern adjacent property appeared to be utilized as a landfill between at least 1961 and 1974. Eastern and western adjacent properties appear to have been utilized for quarry and/or landfill operations dating back to at least 1946. Refer to [Section 6.1.2](#) for additional information.
- Railroad tracks historically bound the Subject Property to the west. Railroad ties are commonly treated with chemicals, such as creosote, to prevent the wood from decaying. In addition, railroad ballasts often contain elevated concentrations of heavy metals. Although these chemicals have been known to impact soil and groundwater, no information was obtained indicating that the railroad tracks located adjacent to the Subject Property have impacted the soil and groundwater at the Subject Property.

LaBella's historical research identified the following conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place.



## 6.0 REGULATORY INFORMATION

Federal, state, and tribal environmental regulatory information was provided by ERIS, an independent research firm, which completed an ASTM-compliant regulatory records search. This search was completed to ASTM-defined search distances; however, it should be noted that the distances searched may have been modified based on LaBella's experience due to the geology or nature of the area, as permitted under ASTM E1527-21. Additionally, ERIS conducted a search of supplemental Federal, state, tribal, and local databases to augment the ASTM-specified search; any relevant listings from these supplemental searches are summarized in the following sections. The ERIS report, dated March 25, 2025 is included in the [Regulatory Information](#) Appendix.

The review of regulatory information was completed to evaluate the potential for environmental impact to the Subject Property, including contaminant migration from off-Subject Property locations. This evaluation included a review of regulatory records along with geologic/hydrogeologic information, topographical information, and/or distance relative to the Subject Property.

### 6.1 Regulatory Report Summary

A complete list of the databases reviewed is included within the ERIS report. Below is a summary of the identified listings within their respective search distance:

#### *Regulatory Report Summary*

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ICIS	0.02	2	-	-	-	-	2
LUST	0.5	0	1	1	0	-	2
LUST DOCUMENT	0.5	0	1	2	0	-	3
MINES	0.25	0	0	1	-	-	1
MRDS	1.0	0	0	0	0	1	1
NIPC	0.5	0	1	3	0	-	4
NPL	1.0	1	0	0	0	0	1
PFAS IND	0.5	0	2	0	0	-	2
RCRA NON GEN	0.25	0	1	1	-	-	2



Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
RCRA VSQG	0.25	0	0	1	-	-	1
REM ASSESS	0.5	1	0	0	0	-	1
SEMS	0.5	0	1	1	0	-	2
SEMS ARCHIVE	0.5	0	0	0	1	-	1
SPILLS	0.5	0	1	2	2	-	5
SUPERFUND ROD	1.0	0	0	1	0	0	1
SWF/LF	0.5	1	0	2	0	-	3
TIER 2	0.125	1	0	-	-	-	1
UST	0.25	0	1	2	-	-	3
AIR PERMITS	0.25	0	0	2	-	-	2
AST	0.25	0	2	3	-	-	5
AUL	0.5	0	1	0	0	-	1
CCDD	0.5	0	0	0	1	-	1
CERCLIS	0.5	1	0	0	1	-	2
CERCLIS NFRAP	0.5	0	0	0	1	-	1
FED ENG	0.5	0	0	1	0	-	1
FED INST	0.5	0	0	1	0	-	1
FINDS/FRS	0.02	1	1	-	-	-	2
NPL	1.0	1	0	0	0	0	1
SEMS	0.5	1	1	0	0	-	2
SEMS ARCHIVE	0.5	0	0	0	1	-	1
CERCLIS	0.5	2	0	0	1	-	3
CERCLIS NFRAP	0.5	0	0	0	1	-	1
RCRA VSQG	0.25	0	0	2	-	-	2





Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
RCRA NON GEN	0.25	2	0	0	-	-	2
FED ENG	0.5	1	0	0	0	-	1
FED INST	0.5	1	0	0	0	-	1
SUPERFUND ROD	1.0	1	0	0	0	0	1
SWF/LF	0.5	2	1	0	0	-	3
NIPC	0.5	1	3	0	0	-	4
CCDD	0.5	0	0	0	1	-	1
LUST	0.5	1	1	0	0	-	2
LUST DOCUMENT	0.5	1	2	0	0	-	3
UST	0.25	1	2	1	-	-	4
AST	0.25	0	5	5	-	-	10
REM ASSESS	0.5	0	0	0	1	-	1
FINDS/FRS	0.02	5	1	-	-	-	6
PFAS IND	0.5	0	2	0	0	-	2
ICIS	0.02	2	-	-	-	-	2
MINES	0.25	0	0	1	-	-	1
MRDS	1.0	0	0	0	0	1	1
AFS	0.02	1	-	-	-	-	1
SPILLS	0.125	1	1	-	-	-	2
IEPA DOCS	0.02	1	1	-	-	-	2
TIER 2	0.125	1	1	-	-	-	2
AIR PERMITS	0.25	1	1	0	-	-	2
UIC	0.02	2	-	-	-	-	2

### 6.1.1 Subject Property Listings

The Subject Property, listed as Tri-County Landfill, was identified as follows:



- FRS listing associated with inclusion in the ICIS Program
- NPL/CERCLIS/SEMS/Superfund ROD (EPA ID: ILD048306138): The Subject Property is listed on the NPL, SEMS, and Superfund ROD databases.
- SWF/LF (ID No. 0890800001): The Subject Property is a listed landfill. The status is listed as unknown.
- The Subject Property is listed on the IEPA Document Explorer Remediation and Assessment Database. See below for a summary of documents obtained from the IEPA website.
- The Subject Property is listed on the Environmental Covenants Registry.

LaBella reviewed the following reports from the IEPA:

- Fourth Five-Year Review for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, prepared by USEPA, dated September 11, 2019
- 2020 Annual Report, Tri-County and Elgin Landfills, prepared by SCS Engineers, dated June 2021
- Fifth Five-Year Review Report for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, Kane County, Illinois, prepared by USEPA, dated August 27, 2024

The following is a summary of the information obtained from the previous reports.

The Tri-County/Elgin Landfills site encompasses both the Tri-County (Subject Property) and Elgin (northern adjacent property) landfills and consists of approximately 66 acres. The landfills formerly included quarry operations and operated as solid waste disposal facilities until 1976. Most of the improper waste disposal reportedly occurred at the Tri-County Landfill (Subject Property) between 1968 and 1974. The existing cover was put in place in early 1981. Residential and commercial rubbish, industrial waste, and incinerator ash were disposed of at the Elgin landfill between 1961 and 1976.

The site was placed in the NPL under CERCLA on March 31, 1989. A Remedial Investigation/Feasibility Study (RI/FS) was conducted at the site from April 1988 through July 1992 and identified contamination in soil, sediment, and groundwater. The RI/FS determined that a primary pathway for the contaminants to migrate off-site was through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and transporting them to groundwater and surface water by surface and subsurface flow.

On September 30, 1992, the EPA signed a Record of Decision (ROD) selecting a site remedy. On February 2, 1994, EPA entered into an Administrative Order on Consent (AOC) with WMIL and BFI. Under the consent order, WMIL and BFI agreed to perform Remedial Design (RD) activities at the site. The RD was approved on September 30, 1997. The remedy components of the ROD included:



- Excavation and consolidation under the landfill cap of contaminated sediments that exceeded background levels;
- Construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and RCRA Subtitle D cover requirements, as applicable;
- Collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-site, low-level groundwater contamination, to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries;
- Active collection and treatment of landfill gases;
- Comprehensive monitoring program to ensure the effectiveness of the remedy;
- Institutional controls (ICs) to limit land and groundwater use; and
- Provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the groundwater response component.

The EPA issued an Explanation of Significant Differences (ESD) on June 25, 1996 due to observed contaminant decreases. On April 23, 1998, EPA issued a second ESD to reflect changes in design and construction specifications for a landfill cap. On July 14, 1999, a third ESD was signed that allowed for the use of a high strength, low-permeability asphalt cap for the Elgin Landfill and the Elgin-Wayne portion of the Tri-County Landfill at the site. On July 3, 2001, EPA issued a fourth ESD to account for the sale of the Elgin Landfill properties to BFI by the previous landowners.

On November 1, 2001, a Preliminary Close-Out Report (PCOR) was signed certifying that the construction of the site remedy successfully achieved the requirements of the ROD and the RD.

ICs for the site include restricted land and groundwater use.

According to the 2020 Annual Report, the following conclusions were made:

- Based on the observations summarized in the report, the source control measures (i.e., landfill cap and gas control systems) at the site continue to be maintained in good condition and are functioning as designed. The site access controls (i.e., perimeter fencing, gates, and signage) continue to be effective, as there were no reported incidences of damage to the remedial components of the site.
- The data from the 2020 annual sampling event at the site are generally complete and acceptable for use. Review of laboratory quality control data and results from analysis of quality control samples do not indicate any significant issues with regard to data quality.



Except for the one item noted, site monitoring wells were sampled and analysis was performed as required during the sampling period.

- The data from the sampling period are generally consistent with data from prior annual sampling events. There were no concentrations of mercury or cyanide identified above the MCLs established under the Federal Safe Drinking Water Act or the Class I ILGWQS established under 35 Illinois Administrative Code 620.410 in the samples collected during the reporting period.
- There were a total of 39 results from analysis of samples from the groundwater monitoring wells during this reporting period that met or exceeded an MCL or Class I ILGWQS. Only eight of the exceedances were related to an MCL and were associated with three parameters (i.e., arsenic, chromium, and nitrate). Most of the exceedances were results from analysis of samples from wells in the shallow groundwater zone. There were four results in the data from laboratory analysis of the sample from well MW20S that exceeded the screening criteria; that was the highest number of exceedances in any single well. Although the concentrations over time of a number of indicator parameters or metals exhibited some variability, quality in the vicinity of the site is generally stable. The variations in the shallow and intermediate zone and indirectly in bedrock, may be related to prior sand and gravel mining in the vicinity of the site. As such, Class IV ILGWQS may be applicable. The groundwater in the shallow and intermediate zones is not likely usable as a potable water source; thus, the Class II ILGWQS may also be applicable. Only one concentration was in excess of Class IV ILGWQS.
- Results from analysis of sample from four private wells in the vicinity of the site do not indicate site-related impacts. Although the concentrations of one or more parameters exceeded the screening criteria in samples from two of the four wells, the well water was reportedly used only as a non-potable water source at both locations.
- Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the immediate zone is primarily to the south in the vicinity of the site, with local components of flow away from the landfill on the western and eastern perimeter. Groundwater flow in the deep zone appears to also be toward the south. Data from measurements at nested wells indicate slight downward gradients between the shallow/intermediate and intermediate/deep zones in the vicinity of the site, where vertical flow is impeded by the presence of fine grain soil.
- Natural attenuation continues to be effective in reducing the concentration of contaminants in the vicinity of the site. While there may be areas in the vicinity of the waste mass where anaerobic conditions exist in groundwater, the data described indicates that groundwater conditions further away from the waste mass are generally aerobic.

The following recommendations were made:



- Continue, at a minimum, annual site inspections of the landfill caps and site access controls
- Continue passive operation of the gas wells and trenches at the site, and verify proper operation through quarterly inspections.
- Passive operation of the gas wells and trenches at the site has been demonstrated to be effective, in that active operation of the landfill gas control system has not been necessary since the conversion to passive operation approximately seven years ago. As such, the components of the former active system (i.e., blower/flare & appurtenances) could be removed or abandoned. If methane is identified within a building, or concentrations with pressure at perimeter probes become an issue, nearby wells could be connected to a temporary, portable blower, or fitted with solar-powered vents.
- Continue quarterly inspections of the landfill gas control system, including the collection points (wells and trenches) and perimeter gas probes, and quarterly monitoring of the perimeter gas probes.
- Quarterly field monitoring of landfill gas quality, pressure/vacuum, and temperature at the vents (i.e., former wells) on the former Elgin Landfill could be discontinued.
- In that groundwater conditions are stable, and mercury and cyanide continue to be quantified at concentrations above reporting limits in groundwater samples, analysis for these parameters should be discontinued.
- The conditions at the site warrant consideration of delisting from the NPL or a reduction in the frequency of groundwater sampling. Groundwater sampling could be performed every five years so that the data are available to support USEPA's periodic site reviews. Periodic inspections (quarterly or annual) for the Tri-County and Elgin landfills would continue to be performed and the reports submitted to USEPA by WMIL and BSI. The data from the groundwater sampling event would be evaluated in a technical report that would be submitted to the USEPA for consideration in its five-year reviews for the site. The preparation and submittal of these annual reports would be discontinued. Options for future actions at the site should be considered in conjunction with the ongoing five-year reviews, with discussion occurring so that the options for future actions would be included in the next review for the site in 2024.

In the 2024 Fifth Five-Year review, it was indicated that only minor repairs were needed and made to the landfill cap, fencing, and vent piping.

As part of the 2024 Fifth Five-Year Review, the USEPA determined that the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, groundwater cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place; the landfill cap and gas collection and vent systems are in place and operating properly;



there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following actions need to be taken to ensure protectiveness: one area of the OU2 landfill cap with observed ponding needs additional clean soil, re-grading, and additional riprap, and Site monitoring should include at least one sampling event within the next FYR period for the contaminants of emerging concern 1,4-Dioxane and PFAS to determine if they are absent from the Site.

Additionally, it was noted that solar energy was identified as a potential optimization activity for the site.

Copies of the reviewed reports are included in the [Previous Reports](#) Appendix.

Based on the remedial measures completed and on-going measures under the ROD with associated IC/ECs in place, this information is considered a CREC for the Subject Property.

#### 6.1.2 Adjacent Property Listings

The following regulatory listings associated with adjacent properties were identified:

##### Elgin Landfill at 7N802 Route 25 (north)

- RCRA Non-Generator (ILR000106971) with no violations. This facility was identified as a SQG in 2001 with wastes generated listed as ignitable waste.
- FRS listing associated with inclusion in the ACES and RCRA Programs
- CERCLIS/SEMS (EPA ID: ILD981960800): The property is listed on the CERCLIS and SEMS databases.
- The property is listed as a historical Solid Waste Disposal Site.

Based on the lack of documented violations, and the investigation and remediation completed on the Subject Property with in-place controls, there does not appear to be a REC for the Subject Property in association with the adjacent regulatory listings at this time.



### 6.1.3 Additional Listings

Based on distance and presumed direction of groundwater flow, none of the other sites listed within the database report are considered likely to have current or former releases of hazardous substances and/or petroleum products with the potential to migrate to the Subject Property.

### 6.1.4 Unmappable Listings

Unmapped facilities were identified within the ERIS report. The specific location of these listings could not be determined due to incomplete or inaccurate address information. Based on the limited address information available for the listings, they do not appear to be associated with the Subject Property or adjacent properties.

## 6.2 Enforcement Action/Permitted Activities/Institutional Controls

An ROD with associated EC/ICs is in place for the Subject Property as discussed in Section [6.1.1](#) above. Provided Information indicates that the Subject Property is subject to various environmental permit activities as discussed above.

## 6.3 Regulatory Agency File and Records Review

The purpose of the regulatory file review is to obtain sufficient information to assist the Environmental Professional in determining if a recognized environmental condition, controlled recognized environmental condition, historical recognized environmental condition, de minimis condition, or significant data gap exists at the Subject Property in connection with the identified listings. Regulatory listings identified in the database report for the Subject Property and adjacent properties were evaluated in order to determine the need for a regulatory file review. Based on this evaluation, the following was concluded:

- A file review was completed relative to Subject Property and adjacent property regulatory listings and is included in the summary above.

## 6.4 Regulatory Information Summary

LaBella's review of regulatory information identified the following conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property.

- The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfilling operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.



## 7.0 INTERVIEWS

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Interviews were completed with representatives of the owner/operator of the Subject Property, Subject Property occupants, neighbors, and/or former owners/operators, to the extent possible, to further assess Subject Property operations and/or potential environmental concerns.

Additional information was obtained through federal, state, tribal, and/or local agencies or via the submission of Records Requests, as documented below.

### **7.1 Owner/Subject Property Representative**

As of the date of this report, LaBella has not received a completed owner interview form.

### **7.2 Current Occupants**

There are no current occupants of the Subject Property.

### **7.3 Former Owners/Operators/Occupants**

No past owners/occupants/operators were contacted because no contact information was provided through available municipal records or through a focused online search.

### **7.4 Neighbors**

The Subject Property is not an abandoned property; therefore, interviews with the neighboring property owners were not conducted.

### **7.5 Local Government Official**

A FOIA request was submitted to the Kane County Clerk, John Cunningham on April 1, 2025 requesting copies of building department, assessment, and fire marshal records on file for the Subject Property. A complete response has not been received as of the date of this report. A copy of the FOIA request is included in the [Municipal Information](#) Appendix.

### **7.6 Local Fire Department**

In LaBella's experience, records from the fire department that serves the Subject Property would be included in FOIL records obtained from the local government official, as noted in [Section 7.5](#) above.

### **7.7 State Regulator**

A FOIA request was submitted to the IEPA on April 1, 2025 for information regarding the Subject Property and adjacent and/or nearby properties suspected to pose a potential concern to the Subject





Property based on a review of the database report and/or other regulatory records. Records were obtained from the IEPS and are discussed in further detail in Section [6.1.1](#), above. Copies of the FOIA request and the documents obtained are included in the [Previous Reports](#) Appendix.

#### **7.8 State and/or County Health Department**

A FOIA request was submitted to the KCHD on April 1, 2025 for information regarding the Subject Property. As of the date of this report submission, a response has not been received. A copy of the FOIA request is included in the [Regulatory Information](#) Appendix.

#### **7.9 Summary of Interviews**

LaBella's interviews and/or review of provided records did not identify conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property unless discussed elsewhere in this report.



## 8.0 ADDITIONAL SERVICES/ASTM NON-SCOPE CONSIDERATIONS

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### 8.1 *Emerging Contaminants*

Hazardous substances are those defined as such pursuant to CERCLA 42 U.S.C. § 9601(14), as interpreted by USEPA regulations and the courts. There are some substances that others may assume to be classified as hazardous substances that are in fact not defined (or not yet defined) as hazardous substances under CERCLA through interpretation by USEPA regulations.

These and any other “emerging contaminants,” where they are not identified as a hazardous substance by CERCLA, as interpreted by USEPA regulations and the courts, are not included in the scope of E1527-21. Some of these substances may be considered a “hazardous substance” (or equivalent) under applicable state laws. In those instances, where a Phase I ESA is performed to satisfy both federal and state requirements, or as directed by the user of the report, it is permissible to include analysis and/or discussion of these substances in the same manner as any other Non-Scope Consideration. If and when such emerging contaminants are defined as hazardous substances under CERCLA, as interpreted by USEPA regulations and the courts, such substances shall be evaluated within the scope of ASTM E1527-21.

No information was provided indicating emerging contaminant impacts to groundwater in the area of the Subject Property; however, LaBella notes that no laboratory results for emerging contaminant analysis were provided for review.



## 9.0 FINDINGS AND OPINIONS

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The Subject Property, an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Illinois, includes 42.17-acres of land and is developed with a capped landfill. The Subject Property was historically utilized agriculturally and as a quarry. Municipal landfill operations took place through 1976 and in 1981 a cap was placed over the landfill.

Based on the results of this assessment, no RECs have been identified in connection with the Subject Property.

Based on the results of this assessment, the following CREC has been identified in connection with the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Monitoring wells and an out of use gas vent pumping system were observed on-site at the time of the site reconnaissance. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place. The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfill operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.

Based on the results of this assessment, no HRECs, de minimis conditions, or significant data gaps have been identified in connection with the Subject Property.

### 9.1 Additional Investigation

**Based on the findings of this assessment, no additional investigation is warranted at this time. Long-term management of the Subject Property and any future site work/redevelopment should be conducted in accordance with the procedures/contingencies outlined within the ROD.**



## 10.0 CONCLUSIONS

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LaBella has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-21 for the unaddressed parcel on Route 25, St. Charles, Illinois, the Subject Property. Any exceptions to, or deletions from, this practice are described in [Section 1.4](#) of this report.

This assessment has revealed the following recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the Subject Property:

- Engineering and Institutional Controls in place at the Subject Property under a ROD to control exposure of residual contamination relative to historical on-site landfilling operations.

This report constitutes the findings of LaBella's investigation conducted for the Subject Property as written and reviewed by the following personnel:

Michael Delaney  
Senior Environmental Analyst

Dave Crandall  
Phase I Program Manager



## 11.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

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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 C.F.R. § 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Dave Crandall  
Phase I Program Manager  
*Environmental Professional*  
April 4, 2025



## 12.0 REFERENCES

	Source
USGS 7.5 Minute Topographic Quadrangle Map of St. Charles, Illinois	USGS Website
Kane County Soil Survey	ERIS
Federal Environmental Regulatory Listings	ERIS
State Environmental Regulatory Listings	ERIS
Local Landfill or Solid Waste Information	ERIS
Sanborn Fire Insurance Maps	Not available for review
City Directories	ERIS
Aerial Photographs	<a href="http://www.historicaerials.com">www.historicaerials.com</a>
Historical Topographic Maps	<a href="http://www.historicaerials.com">www.historicaerials.com</a>
Previous Reports	No previous reports were provided for review.



### 13.0 LIST OF ABBREVIATIONS/ACRONYMS

---

ACM	Asbestos Containing Material
AIRS	Aerometric Information Retrieval System
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity Use Limitation
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CBS	Chemical Bulk Storage
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CORRACTS	Corrective Action
CREC	Controlled Recognized Environmental Condition
DRO	Diesel Range Organics
ECHO	Enforcement Compliance History Online
ERIS	Environmental Risk Information Services
ERNS	Emergency Response and Notification System
FINDS	Facility Index System
FIS	Facility Information System
FOIA	Freedom of Information Act
FOIL	Freedom of Information Law
FRS	Facility Registry Service
Ft. bgs	Feet Below Ground Surface
FWM	Freshwater Wetlands Map
GRO	Gasoline Range Organics
HREC	Historical Recognized Environmental Condition
HS/PP	Hazardous Substances/Petroleum Products
IC/EC	Institutional Control/Engineering Control
ICIS	Integrated Compliance Information System
IEPA	Illinois Environmental Protection Agency
IGPA	Illinois Groundwater Protection Act
KCHD	Kane County Health Department
LAST	Leaking Aboveground Storage Tank
LQG	Large Quantity Generator
LST	Leaking Storage Tank
LTANK	Leaking Tank
LUST	Leaking Underground Storage Tank



mg/kg	Milligrams Per Kilogram
mg/L	Milligrams Per Liter
MOSF	Major Oil Storage Facility
MTBE	Methyl Tert-Butyl Ether
mVOC	Microbial Volatile Organic Compound
N/A	Not Available/Not Applicable
NFRAP	No Further Remedial Action Planned
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resource Conservation Service
NWI	National Wetlands Inventory
PAHs	Polycyclic Aromatic Hydrocarbons
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethylene
pCi/L	Pico Curies per Liter
PEC	Potential Environmental Concern
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
ppb	Parts Per Billion
ppm	Parts Per Million
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
REC	Recognized Environmental Condition
SDS	Safety Data Sheet
SEMS	Superfund Enterprise Management System
SPDES	State Pollution Discharge Elimination System
SQG	Small Quantity Generator
SVOC	Semi-Volatile Organic Compound
TACO	Tiered Approach to Corrective Action Objectives
TAL	Target Analyte List
TCE	Trichloroethylene
TCL	Target Compound List
TPH	Total Petroleum Hydrocarbons
TSDF	Treatment, Storage, and Disposal Facility
UECA	Uniform Environmental Covenant Act
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency

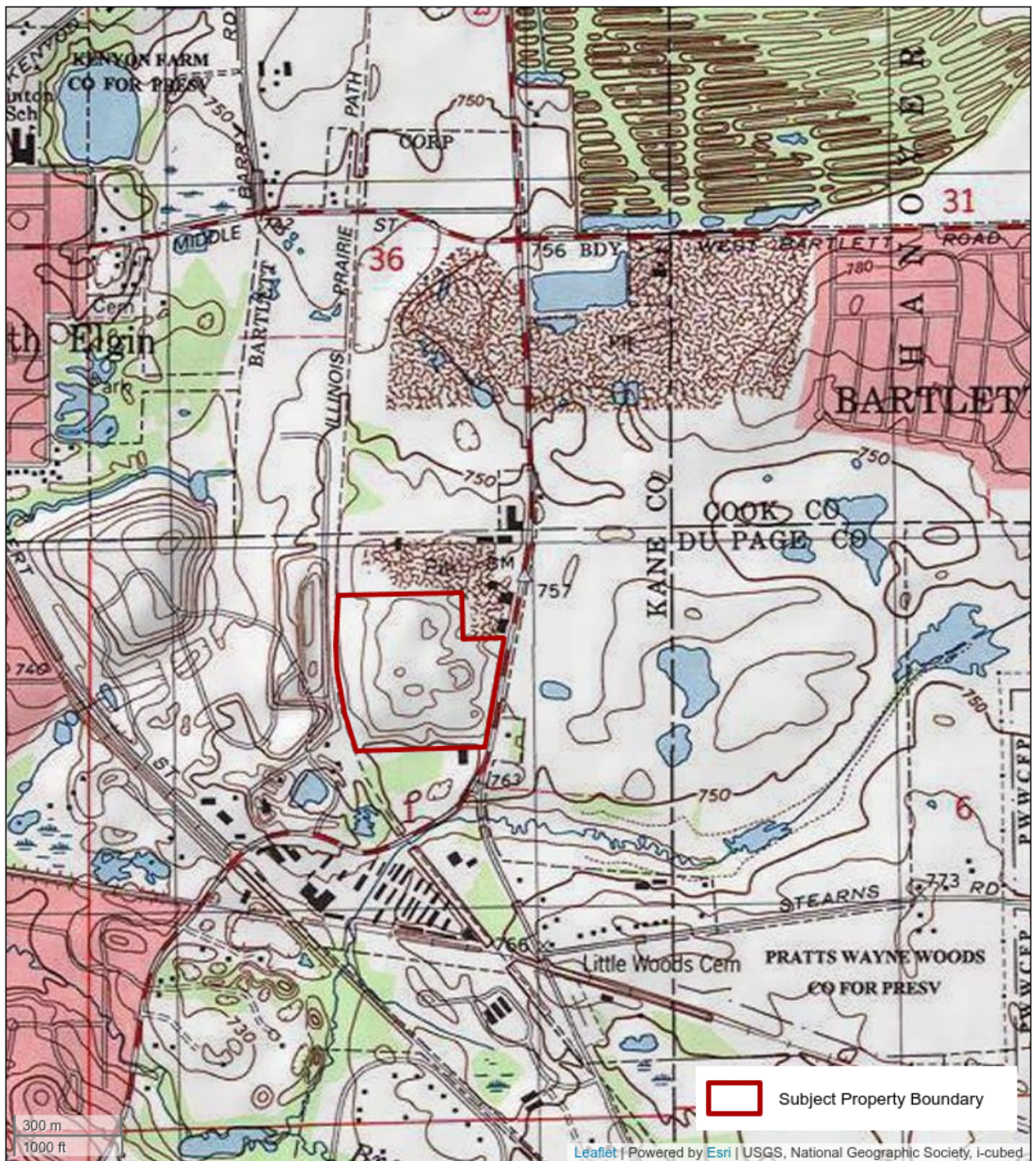




USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
VSQG	Very Small Quantity Generator
µg/L	Micrograms Per Liter
µg/kg	Micrograms Per Kilogram
µg/m <sup>3</sup>	Micrograms Per Cubic Meter

## Site Maps





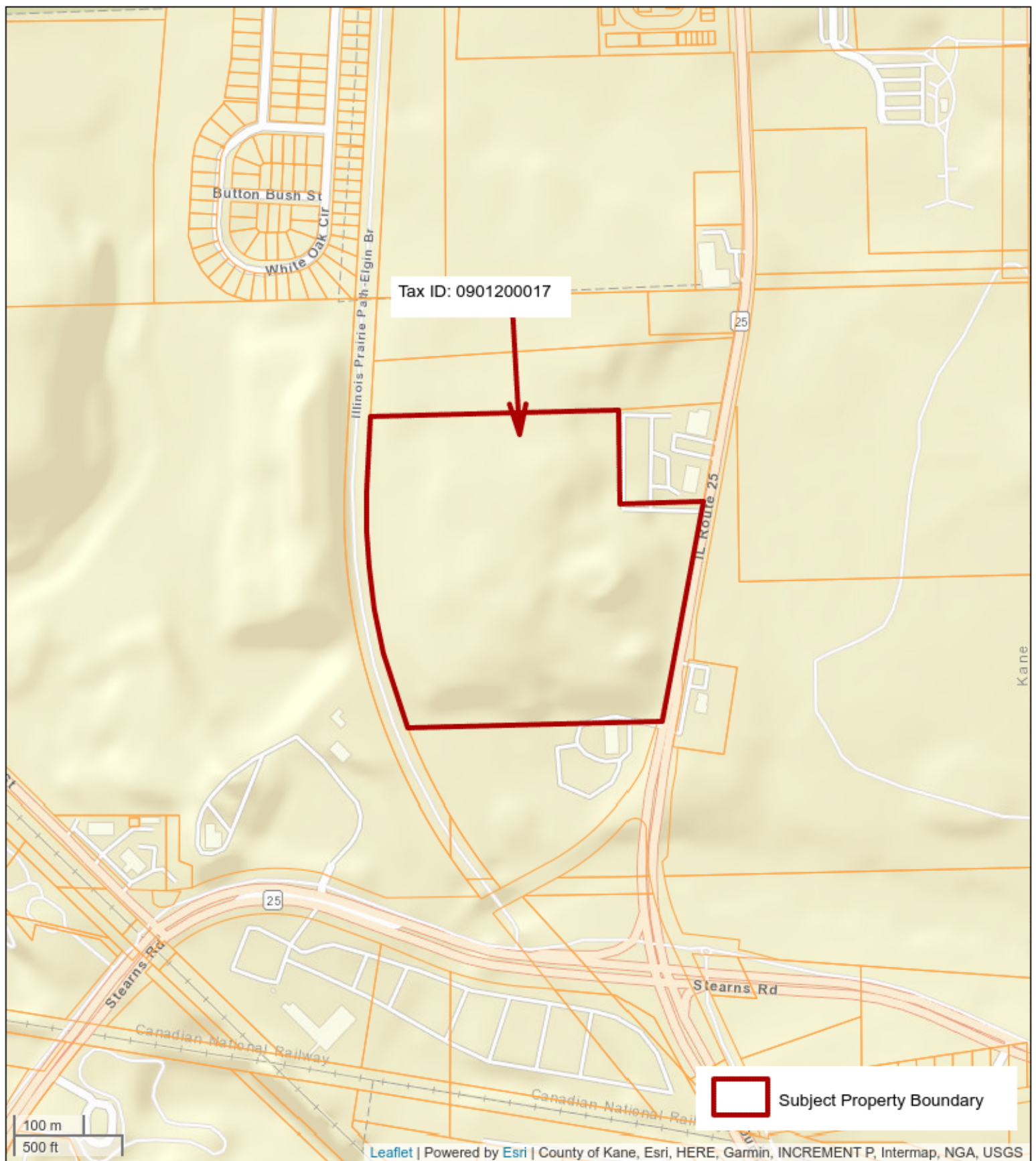
**Figure 1 Site Location Map**

Unaddressed Parcel on Route 25

St Charles Illinois 60120

Project No. 2233821





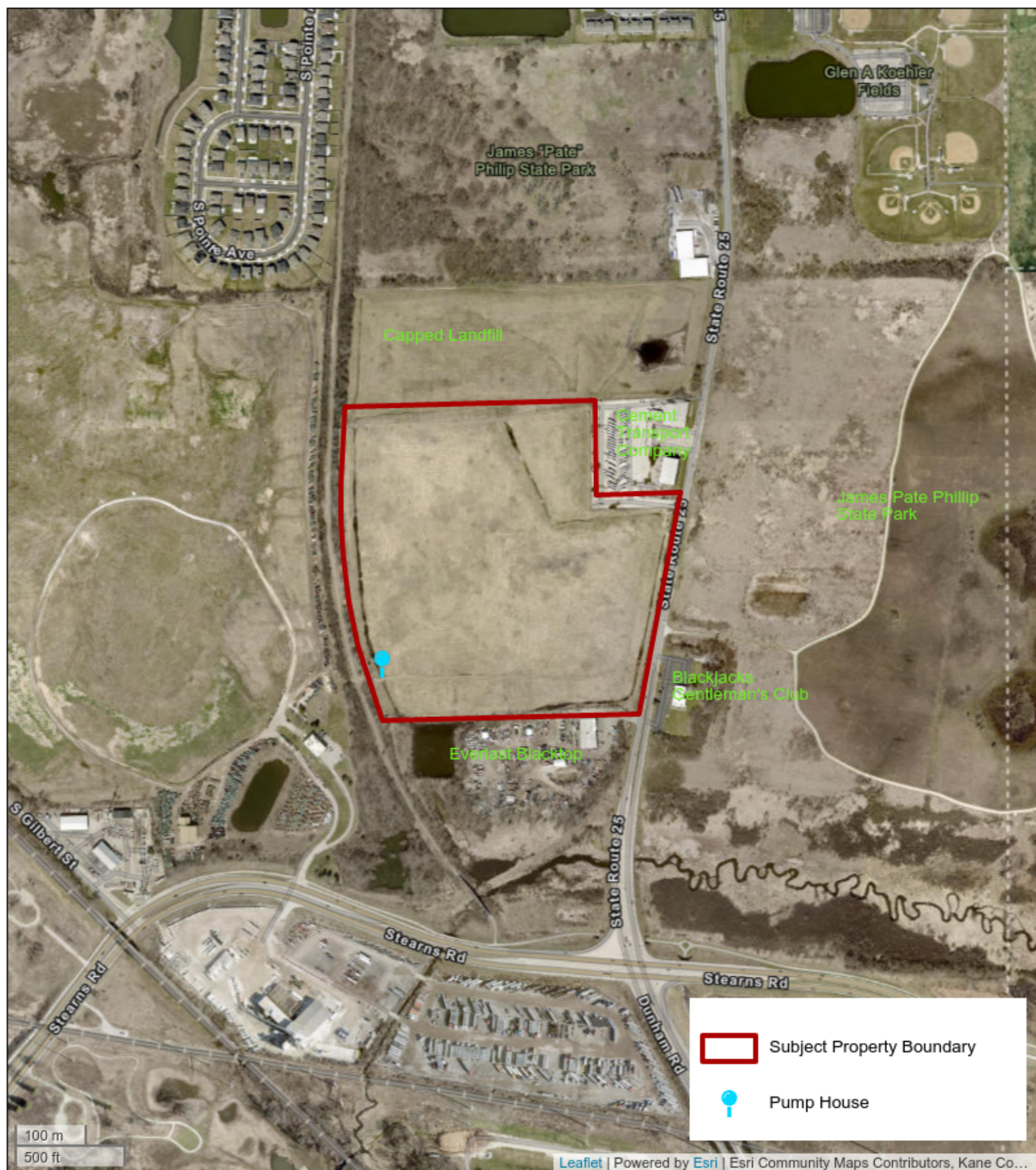
**Figure 2 Site Property Tax Map**

Unaddressed Parcel on Route 25

St Charles, Illinois 60120

Project No. 2233821





**Figure 3 Site Plan**  
 unaddressed parcel on Route 25  
 St. Charles, Illinois 60120  
 Project No. 2233821



# User Provided Information

**ALTA Commitment  
SCHEDULE A**

**[Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:**

Issued By:  
Stewart Title Guaranty Company  
P.O. Box 2029, Houston, TX 77252

Commitment Number: 23000372016-01

Revision Number:

Agreement Number: ]

1. Commitment Date: August 16, 2023, at 8:00 a.m.
2. Policy to be issued:
  - a. 2021 ALTA® Owner's Policy  
  
Proposed Insured: To Be Determined  
Proposed Amount of Insurance: \$1,000.00  
The estate or interest to be insured: To Be Determined
3. The estate or interest in the Land at the Commitment Date is:  
  
Fee Simple
4. The Title is, at the Commitment Date, [vested in:](#)  
  
Tri-County Landfill Co.
5. The Land is described as follows:

**SEE ATTACHED SCHEDULE A - EXHIBIT A**

## SCHEDULE A - EXHIBIT A

### Parcel ID No.:09-01-200-017

That part of the North Half of Section 1, Township 40 North, Range 8 East of the 3<sup>rd</sup> Principal Meridian, described as follows: Commencing at the North East corner of said Section 1; thence West along the North Line of said Section 1285.25 feet to the extended tangent center line from the South of the concrete pavement on State Highway No. 25; thence Southwesterly along said center line and said line extended 2088.0 feet; thence Westerly along a line making an angle of 102°49' measured from North East to North to West, with said described center line and extended center line 10.9 feet to a point in the center of the concrete pavement; thence continuing West along said last described line extended (being also the North line of a 10.06 acres parcel of land conveyed to Clairmarie Vanek by deed dated March 25, 1959 and recorded April 6, 1959 in [book 1954, page 319](#) as Document 886279) 1094.7 feet to a point on the Easterly right of way line of the Chicago, Aurora and Elgin Railway; thence Northwesterly along the said Easterly right of way line of railway on a curve to the right having a radius of 2814.93 feet a distance of 148.82 feet for the point of beginning; thence East on a line parallel to and 140.0 feet North of, as measured at right angles, to the said North line of said Vanek 10.06 acre parcel of land, a distance of 1188.07 feet to the said center of the concrete pavement of State Highway No. 25; thence Northeasterly along said center line to a line drawn parallel with and 532.62 feet South of, measured at right angles, the North line of Section 1; thence West along said parallel line to the Easterly line of the aforesaid right of way of the Chicago, Aurora and Elgin Railway; thence Southerly along said Easterly line to the point of beginning in the Township of St. Charles, Kane County, Illinois.



## **SCHEDULE B – I**

### **Requirements**

File No.: 23000372016-01

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.
2. Pay the agreed amount for the estate or interest to be insured.
3. Pay the premiums, fees, and charges for the Policy to the Company.
4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.
5. Pay all taxes, charges, assessments, levied and assessed against subject premises, which are due and payable.
6. Satisfactory evidence that improvements and/or repairs or alterations to the Land are completed, that contractor, sub-contractors, labor and materialmen are all paid, and have released of record all liens or notice of intent to perfect a lien.
7. If the fee owner is an entity, evidence of the good standing, incumbency and authority of that entity and of the Proposed Insured shown in Schedule A, Item 2(a) who will execute the instrument(s) required by the Company.

With regard to Tri-County Landfill Co., the Company requires for its review a copy of the following:

- a. Articles of incorporation, and any amendments thereto;
  - b. Bylaws, and any amendments thereto;
  - c. Good Standing Certificate evidencing that the corporation is in good standing in the state of its incorporation and in the state where the Land is located (if different);
  - d. Resolution of the Board of Directors and/or Shareholders authorizing the proposed transaction and the authority of the officers to execute the transaction documents; and
  - e. Evidence of payment of corporate/franchise taxes due, where applicable.
8. The Policy(ies) to be issued together with endorsements and any coverage therein is conditioned upon the approval of the Company's Senior Underwriting Committee, which may include further requirements.

Note: The above will be deleted upon receipt of the requisite approvals and not carried forward to the Policy.

NOTE: The Company reserves the right to make any additional requirements and/or exceptions to this commitment and any subsequent endorsements thereto upon review of all required documents or in otherwise ascertaining further details of the transaction.

## COMMITMENT FOR TITLE INSURANCE

### SCHEDULE B – II

#### Exceptions

File No.: 23000372016-01

**Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.**

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I - Requirements are met.



#### Standard Exceptions:

1. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by a current, accurate and complete land title survey or inspection of the Land.
2. Rights or claims of parties in possession not recorded in the Public Records.
3. Rights of tenants in possession as tenants only under leases not recorded in the Public Records.
4. Easements or claims of easements not recorded in the Public Records.
5. Taxes or assessments which are not recorded as existing liens in the Public Records.
6. Any lien, or right to a lien, for services, labor, material or equipment, heretofore or hereafter furnished, imposed by law and not recorded in the Public Records
7. Minerals of whatsoever kind, subsurface and surface substances, including but not limited to coal, lignite, oil, gas, uranium, clay, rock, sand and gravel in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed in Schedule B. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.
8. Any inaccuracy in the area, square footage, or acreage of Land described in Schedule A. The Company does not insure the area, square footage, or acreage of the Land.

#### Special Exceptions:

9. Taxes for 2022 in the amount of 395.50 are paid.  
Parcel ID No.:09-01-200-017
10. Dedication of Right of Way for Public Road Purposes dated December 28, 1929, by and between J. F. Reinert,

Margaret Reinert and Mary A. Reinert, as Grantors, and the County of Kane acting by and through the County Superintendent of Highways of said County, as Grantee, recorded January 6, 1930, in [Book 883, Page 449](#), Public Records of Kane County, Illinois.

11. Dedication of Right of Way for Public Road Purposes dated March 31, 1943, by and between Material Service Corporation, an Illinois corporation, as Grantor, and the County of Kane, Illinois, acting by and through the County Superintendent of Highways of said county, as Grantee, recorded April 9, 1943, in [Book 1176, Page 508](#), Public Records of Kane County, Illinois.
12. Easement in favor of Illinois Bell Telephone Company dated December 10, 1945, and recorded January 13, 1949, in [Book 1436, Page 390](#), Public Records of Kane County, Illinois. 
13. Reservation of an Easement for Ingress and Egress by Michigan Avenue National Bank of Chicago, as evidenced by Trustee's Deed dated May 10, 1968, and recorded October 11, 1978, as [Document No. 1478701](#), Public Records of Kane County, Illinois.
14. The following matters as shown on Plat of Survey by W.A. Rakow and Associates, Roger R. M\_\_\_\_\_, dated July 6, 1982, recorded September 27, 1982, as [Document No. 1617552](#), Public Records of Kane County, Illinois.
  - a. Right of Way for Chicago, Aurora & Elgin Railroad along West boundary
  - b. State Route 25 along East boundary
15. Notice of Issuance of Unilateral Administrative Order requiring remediation of a Super Fund Site recorded October 28, 1998, as [Document No. 98K099341](#), Public Records of Kane County, Illinois. 
16. Environmental Covenant dated February 15, 2013, by and between Tri-County Landfill Company, Inc., as Grantor, and the Illinois Environmental Protection Agency, Tri-County Landfill Company, Inc., and Waste Management of Illinois, Inc., as Holders (and Grantees for purposes of indexing), recorded February 21, 2013, as [Document No. 2013K014068](#), Public Records of Kane County, Illinois.

TRUSTEE'S DEED 1930782

CLERK FOR RECORD  
HANE COUNTY WILL.

SEP 18 AM 9 45

FORM 1011 W.S.B.

THE ABOVE SPACE FOR RECORDERS USE ONLY

THIS INDENTURE, made this 1st day of August, 1988, between MICHIGAN AVENUE NATIONAL BANK OF CHICAGO, a National Banking Association, as Trustee under the provisions of a deed or deeds in trust, duly recorded and delivered to said corporation in pursuance of a trust agreement dated the 10th day of May, 1968, and known as Trust Number 1379 party of the first part, and TRI-COUNTY LANDFILL COMPANY, INC., whose address is: 310 West Lake Street, Elmhurst, Illinois 60126

party of the second part.  
WITNESSETH, that said party of the first part, in consideration of the sum of (\$10.00) TEN DOLLARS AND No/100----- dollars, and other good and valuable considerations in hand paid, does hereby grant, sell and convey unto said party of the second part,

KANE  
the following described real estate, situated in Cook County, Illinois, to-wit:  
LEGAL DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF

together with the tenements and appurtenances thereunto belonging.  
To Have and to Hold the same unto said party of the second part

This deed is executed pursuant to and in the exercise of the power and authority granted to and vested in said trustee by the terms of said deed or deeds in trust delivered to said trustee in pursuance of the trust agreement, above mentioned. This deed is made subject to the lien of every trust deed or mortgage (if any there be) of record in said county, given to secure the payment of money, and remaining unleased at the date of the delivery hereof.  
IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be hereto affixed, and has caused its name to be signed to these presents by its vice-president, and attested by its assistant secretary, the day and year first above written.

FIRST COLONIAL TRUST COMPANY, FORMERLY  
Michigan Avenue National Bank By \_\_\_\_\_ Vice-President  
Attest: Manay Rodighiero Assistant Secretary

STATE OF ILLINOIS, ss. I, Joyce A. Madsen  
COUNTY OF COOK, ss. A Notary Public in and for said County, in the state aforesaid, DO HEREBY CERTIFY, that  
Robert R. Lombardo, Vice-President of the FIRST COLONIAL TRUST COMPANY, FORMERLY  
Donald R. Bonifantelli, Assistant Secretary of said Corporation, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as such Vice-President and Assistant Secretary respectively, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act, and as the free and voluntary act of said Corporation, for the uses and purposes therein set forth; and the said Assistant Secretary did also then and there acknowledge that he, as custodian of the corporate seal of said Corporation, did affix the said corporate seal of said Corporation to said instrument as his own free and voluntary act and as the free and voluntary act of said Corporation, for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this 13th day of August, 1988

Joyce A. Madsen  
Notary Public

DELIVERY INSTRUCTIONS  
NAME Butler Rubin, Newcomer  
STREET 31st West Plaza, 1505  
CITY Chicago IL 60662 \$7.00  
OR Enn  
RECORDER'S OFFICE BOX NUMBER 1930782

FOR INFORMATION ONLY  
INSERT STREET ADDRESS OF ABOVE  
DESCRIBED PROPERTY HERE

MAIL TAX BILL TO:  
Tri-County Landfill Company, Inc.  
310 West Lake Street  
Elmhurst, Illinois 60126

THIS INSTRUMENT WAS PREPARED BY  
FIRST COLONIAL TRUST COMPANY  
30 NORTH LAKE STREET  
CHICAGO, ILLINOIS 60601

MANAY RODIGHIERO  
Land Trust Officer

THIS SPACE FOR AFFIXING RIDERS AND REVENUE STAMPS

Exempt by the authority of the Illinois  
Revised Statutes, Chapter 120, Section 1004(e)  
as transfer where there is no actual consideration.  
John M. Eberlin 9/18/88

Document Number

That part of the North Half of Section 1, Township 40 North, Range 8 East of the 3rd Principal Meridian, described as follows: Commencing at the North East corner of said Section 1; thence West along the North Line of said Section 1285.25 feet to the extended tangent center line from the South of the concrete pavement on State Highway No. 25; thence Southwesterly along said center line and said line extended 2088.0 feet; thence Westerly along a line making an angle of  $102^{\circ} 49'$  measured from North East to North to West, with said described center line and extended center line 10.9 feet to a point in the center of the concrete pavement; thence continuing West along said last described line extended (being also the North line of a 10.06 acre parcel of land conveyed to Clairmarie Vanek by deed dated March 25, 1959 and recorded April 6, 1959 in book 1954, page 319 as Document 886279) 1094.7 feet to a point on the Easterly right of way line of the Chicago, Aurora and Elgin Railway; thence Northwesterly along the said Easterly right of way line of railway on a curve to the right having a radius of 2814.93 feet a distance of 148.82 feet for the point of beginning; thence East on a line parallel to and 140.0 feet North of, as measured at right angles, to the said North line of said Vanek 10.06 acre parcel of land, a distance of 1188.07 feet to the said center of the concrete pavement of State Highway No. 25; thence Northeasterly along said center line to a line drawn parallel with and 532.62 feet South of, measured at right angles, the North line of Section 1; thence West along said parallel line to the Easterly line of the aforesaid right of way of the Chicago, Aurora and Elgin Railway; thence Southerly along said Easterly line to the point of beginning, in the Township of St. Charles, Kane County, Illinois.

SECTION RECORD  
KANE COUNTY, ILL.

201 SEP -8 AM 9:45

1930782  
ELEANOR E. JUNGELS - RECORDER OF KANE COUNTY

*Eleanor E. Jungels*  
RECORDER

AFFIDAVIT - PLAT ACT

STATE OF ILLINOIS )  
                          ) SS.  
COUNTY OF KANE )

Andrea M. Gordon, being duly  
sworn on oath, states that she resides at 2754 N. Hampden Court,  
Chicago, Illinois 60614. That the attached deed is  
not in violation of Section 1 of Chapter 109 of the Illinois Revised Statutes  
for one of the following reasons:

1. The sale or exchange is of an entire tract of land not being a part of a larger tract of land.
2. The division or subdivision of land is into parcels or tracts of 5 acres or more in size which does not involve any new streets or easements of access.
3. The division is of lots or blocks of less than 1 acre in any recorded subdivision which does not involve any new streets or easements of access.
4. The sale or exchange of parcels of land is between owners of adjoining and contiguous land.
5. The conveyance is of parcels of land or interests therein for use as right-of-way for railroads or other public utility facilities, which does not involve any new streets or easements of access.
6. The conveyance is of land owned by a railroad or other public utility which does not involve any new streets or easements of access.
7. The conveyance is of land for highway or other public purpose or grants or conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use.
8. The conveyance is made to correct descriptions in prior conveyances.
9. The sale or exchange is of parcels or tracts of land following the division into no more than two parts of a particular parcel or tract of land existing on July 17, 1959, and not involving any new streets or easements of access.
10. The sale is of a single lot of less than 5 acres from a larger tract, the dimensions and configurations of said larger tract having been determined by the dimensions and configuration of said larger tract on October 1, 1973, and no sale prior to this sale, or any lot or lots from said larger tract having taken place since October 1, 1973, and a survey of said single lot having been made by a registered land surveyor.

CIRCLE NUMBER ABOVE WHICH IS APPLICABLE TO ATTACHED DEED.

AFFIANT further states that she makes this affidavit for the purpose of inducing the Recorder of Kane County, Illinois, to accept the attached deed for recording, and that all local requirements applicable to the subdivision of land are met by the attached deed and the tract described therein.

*Andrea M. Gordon*

SUBSCRIBED and SWORN to before me this 2nd day of September, A.D., 1988

*Thelma Strong*  
Notary Public

1930782

# Site Reconnaissance Worksheet

### Site Reconnaissance Worksheet

Subject Property Name		Project Number		Inspector Name		Site Visit Date	
Former Tri-County Landfill		2233821.08		Thad Krueger		March 28, 2025	
Address, City, County, State		No address, Route 25, St Charles, Kane County, IL					
Acreage	42.17	Topography	Slopes radially from topographic high in center of property				
On-site water bodies:		None		Nearest water body/direction		Pond to northeast	
Nature of Area (circle one):		<input checked="" type="radio"/> Rural <input type="radio"/> Urban <input type="radio"/> Suburban					
Additional Roadways		N/A					
Accompanied By		Title		Years associated with Subject Property			
Rod Stipe		District Manager – WM		Approximately 20 yrs			
<b>Current Use</b> list all occupants and describe nature of operations		Capped landfill with passive methane mitigation					
<b>Past Use</b> (if evident during site visit)		Landfill					

#### Utilities

Electric: Public – Provider Available in Area

Natural Gas: Y / N – Provider Unknown

Water supply type: Public (Provider Unknown) or Private (Well location(s): \_\_\_\_\_)

Sewer/Septic: Public (Provider Unknown) or Private

Septic tank/field location(s): \_\_\_\_\_

Storm Drains: Y / N if yes, location: \_\_\_\_\_

Drainage location (public system, pond, ditch/channel, dry well, surface)

#### Site visit limitations:

- ☒ Dense vegetation   
 ☒ Topography   
 ☐ Snow   
 ☐ Parked vehicles   
 ☐ Stored Materials
- ☐ Unaccompanied during site inspection
- ☐ Inaccessible structures/areas (list): \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- ☐ Other: \_\_\_\_\_





### Site Reconnaissance Worksheet

Buildings (add extra pages for additional buildings)

Building Name		No buildings are located on the Subject Property.			
Current Use/Tenants					
Former Uses/Tenants					
Square Footage:		# of Stories:		Construction Date:	
Basement:					
Heating/Cooling Source					
Floor/Trench Drains and Sumps (#, locations, discharge point, etc.)					
Oil-water separator:		Y / N – discharge location: _____ age: _____ service records: Y/N			
Grease trap:		Y / N – discharge location: _____ age: _____ service records: Y/N			
Sediment trap:		Y / N – discharge location: _____ age: _____ service records: Y/N			

**NOTES:**

(Use this area to describe areas inspected, general observations, stored materials/housekeeping, potential concerns, lifts, compressors, generators, etc.)



### Site Reconnaissance Worksheet

#### Hazardous Substances/Petroleum Products (request SDS)

Contents/Container Size	No. of Containers	Location	Use/Purpose	Staining/Evidence of a Release
				Y / N
				Y / N
				Y / N
				Y / N
				Y / N

#### Solid, Hazardous, and/or Regulated Wastes (request recent disposal receipts)

Material	Source/Process	Storage Location/Quantity	Transporter/Hauler	Staining/Evidence of a Release
General refuse/recyclables				Y / N
Scrap metal				Y / N
Waste cooking grease				Y / N
Waste oil				Y / N
Additional waste automotive fluids				Y / N
Waste manufacturing liquids/solids				Y / N
Waste solvents/cleaners				Y / N
Waste paints/thinners				Y / N
Other: Used oil filters Used tires Used batteries Used rags				Y / N

Parts washer: Y / **N** If yes, location: \_\_\_\_\_ service provider: \_\_\_\_\_

### Site Reconnaissance Worksheet

#### Additional Wastes/Disposed Materials:

Material	Source/Process	Storage Location/Quantity	Staining
Fill dirt/material	Landfill operations		Y / <b>N</b>
Construction and demolition wastes			Y / N
Discarded materials/containers			Y / N
Gravel/stone piles			Y / N
Other (i.e. slag)			Y / N

#### Unidentified Substance Containers:

Description of Container	Location	Staining/Evidence of a Release
N/A		Y / N
		Y / N
		Y / N

#### Suspect PCB-Containing Equipment:

Type	#	Location	Leaks?
Pole-mounted Transformers	0		Y / N
Pad-mounted transformers	1	Inside pump house – SW corner of property	Y / <b>N</b>
Aboveground hydraulic lifts	0		Y / N
In-ground hydraulic lifts	0		Y / N
Elevators	0		Y / N
Compactors	0		Y / N

**Site Reconnaissance Worksheet**

**Storage Tanks**

No./Type (AST/UST)	Location (tank and vent/fill)	Capacity (gallons)	Construction (steel, FRP)	Contents	Installation Date/Age	Staining or Evidence of a Release
<i>None</i>						

Evidence of prior tanks (e.g., cut pipes, old vent pipes, patched asphalt and/or concrete, signage, inactive pump island or canopy, etc.):

Request the following documents:

- System Status Report/Print-out (from tank monitoring system)
- Tank Closure Reports
- Tank Installation Documents
- PBS/CBS registration
- Testing Documents (tightness, lines, leak detection, etc.)
- Spill Reports

Additional Notes (e.g., location of dispensers):

### Site Reconnaissance Worksheet

#### Additional Observations

Observation	Yes/No	Location	Notes (poor housekeeping, staining, releases, etc.)
Odors	Y / N		
Standing water/pools of liquid	Y / N	Standing water along SW boundary	
Evidence of former lifts (lift scars, patching, etc.)	Y / N		
Patching (in concrete, asphalt, etc.)	Y / N		
Additional Stains and Corrosion	Y / N		
Stressed Vegetation	Y / N		
Non-sanitary wastewater	Y / N		
Septic System and/or Cesspools	Y / N		
Wells (including monitoring, irrigation, dry wells, underground injection wells)	Y / N	Yearly groundwater monitoring conducted	
Air Emissions/Exhaust/SSDS systems	Y / N		
Additional observations of note			

#### Dry Cleaning: Y / N

Length of operations:

Number and type of machine(s) used, location:

Cleaners/solvents used: \_\_\_\_\_ Storage location: \_\_\_\_\_

Wastes generated: Y / N Storage location: \_\_\_\_\_

Spot cleaning: Y / N

#### X-Ray and/or Film Developing: Y / N      Digital X-Rays: Y / N

Length of operations:

Silver-recovery system: Y / N If yes, discharge location \_\_\_\_\_

Previous discharges to septic system: Y / N



### ***Site Reconnaissance Worksheet***

#### **Nearby Properties**

	Adjoining Uses	Address
North	<i>Capped landfill and Markaty Inc. DBA Cement Transport Company</i>	<i>7N930 Route 25 and 7N904 Route 25</i>
East	<i>James Pate Phillip State Park and Blackjacks Gentleman's Club</i>	<i>2050 West Stearns Road and 7N657 Route 25</i>
South	<i>Everlast Blacktop</i>	<i>7N540 Route 25</i>
West	<i>Illinois Prairie Bike Path</i>	<i>N/A</i>
Noteworthy adjoining and nearby property features		

*Subject Property Sketch (label north):* *Include buildings, tanks and other significant observations, water bodies, topography slopes, adjoining roads, etc.*

# Site Photographs



Photo 1 : View to the north of the central portion of the Subject Property



Photo 2 : View to the south of the central portion of the Subject Property





Photo 3 : View to the west of the central portion of the Subject Property



Photo 4 : View to the north of the southwest portion of the Subject Property



Photo 5 : View to the northwest of the northern boundary of the Subject Property



Photo 6 : View to the south of gas vent located in central portion of the Subject Property





Photo 7 : View of gas vent located in southeast portion of the Subject Property



Photo 8 : View to the north of standing water along southwest perimeter of the Subject Property





Photo 9 : View of pump house located in the southwest corner of the Subject Property



Photo 10 : View of interior of pump house in southwest corner of Subject Property





Photo 11 : View of the northern adjoining property, Cement Transport Company



Photo 12 : View of the southern adjoining property, Everlast Blacktop



Photo 13 : Additional view of the southern adjoining property, Everlast Blacktop

# Historical Information



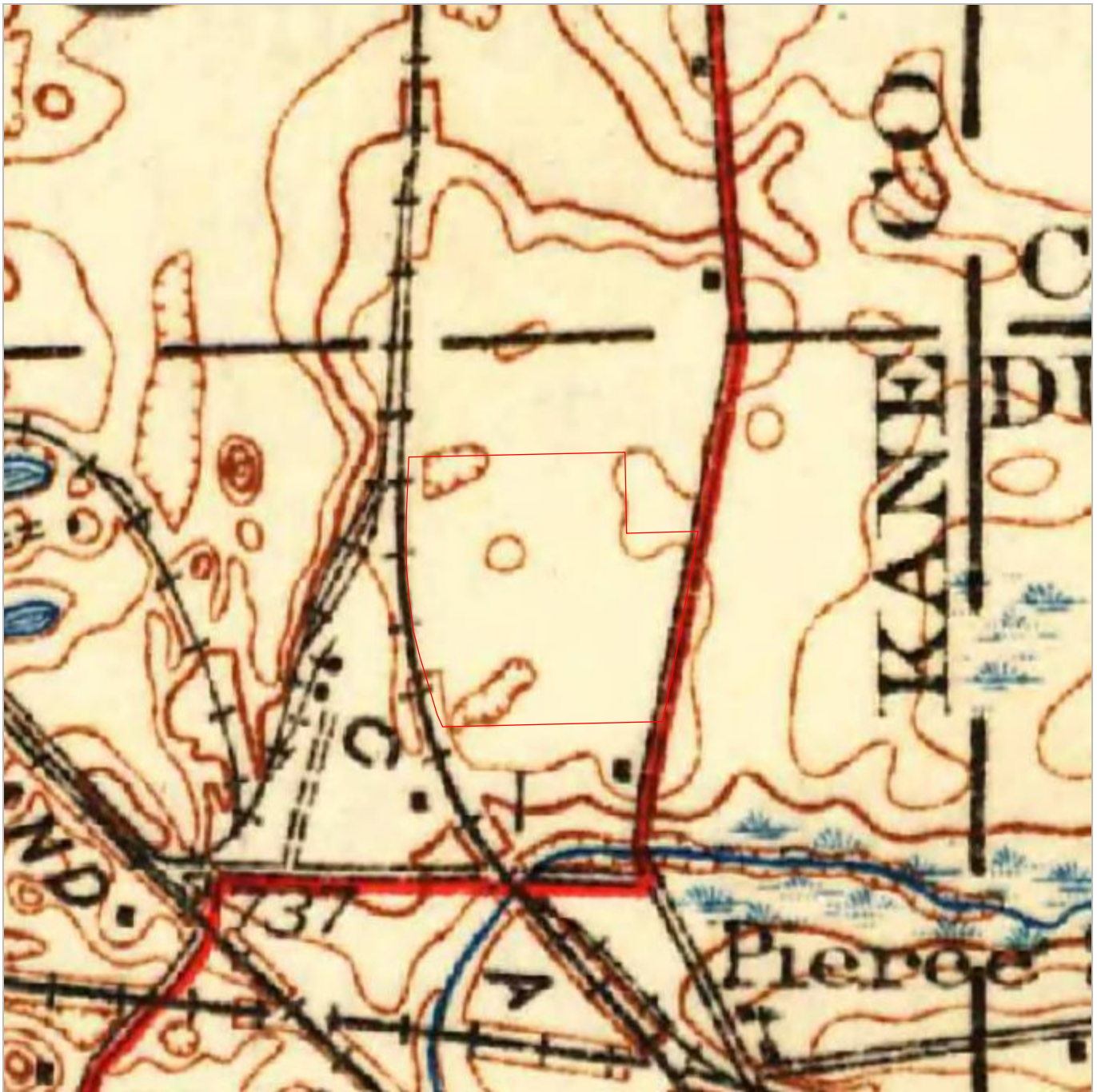
# FIRE INSURANCE MAPS

<b>Project Property:</b>	Tri-County Solar Route 25 Elgin IL 60120
<b>Project No:</b>	2233821
<b>Requested By:</b>	LaBella Associates
<b>Order No:</b>	23092102348
<b>Date Completed:</b>	September 22, 2023

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**Please note that no information was found for your site or adjacent properties.**

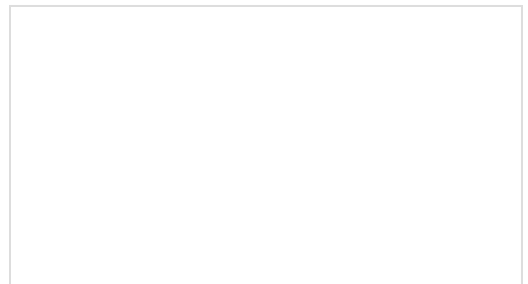


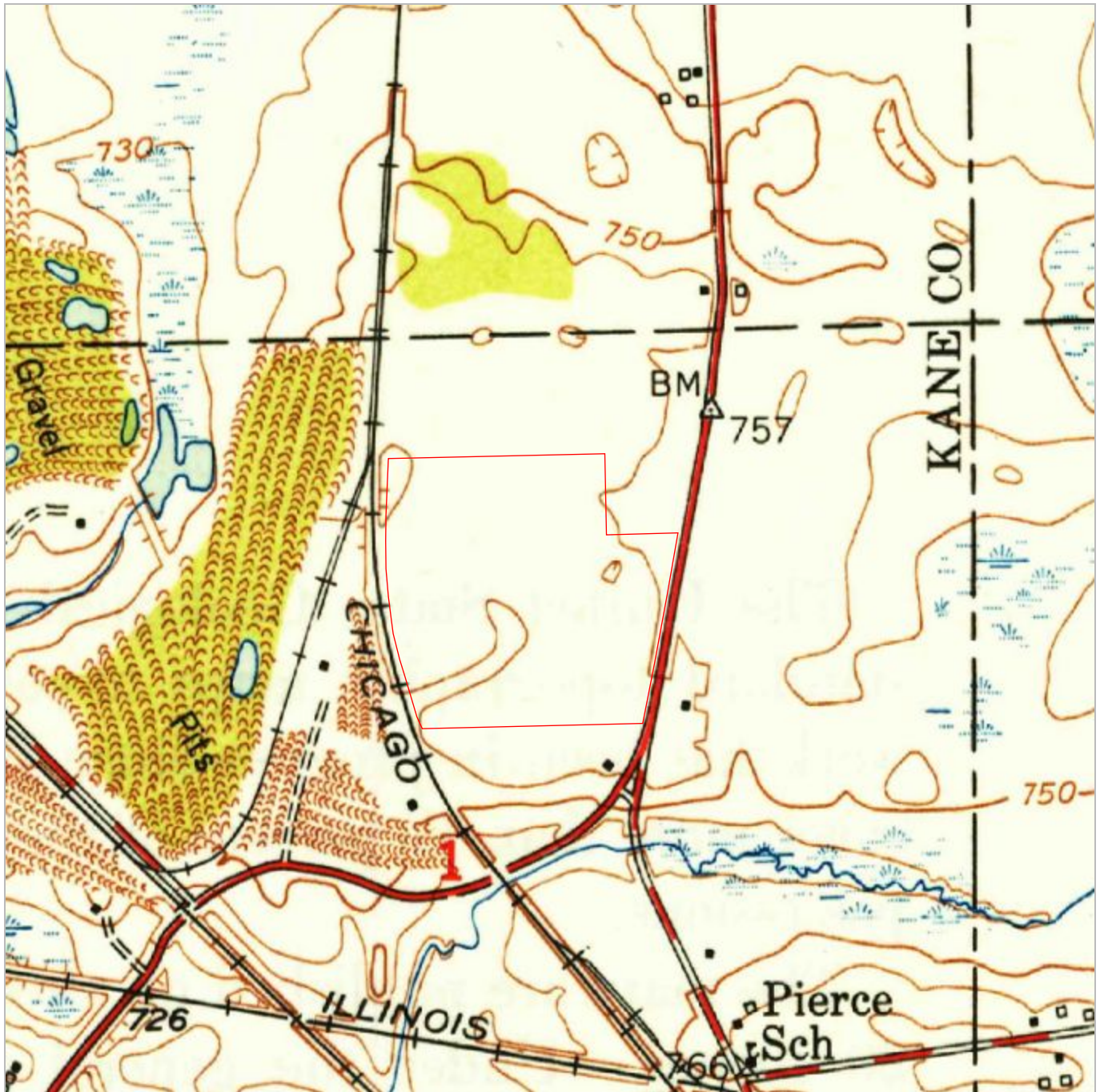


1" equals approx. 100 ft.

**1932 topographical map**

USGS, 5531717 GENEVA 15 X 15 MINUTE (1932, Revised 1932)

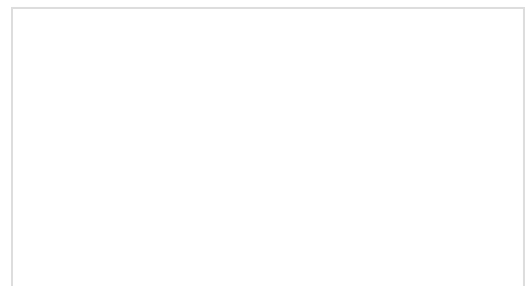
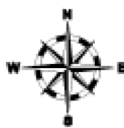




1" equals approx. 100 ft.

1949 topographical map

USGS, 5528257 GENEVA 7.5 X 7.5 MINUTE (1949, Revised 1949)



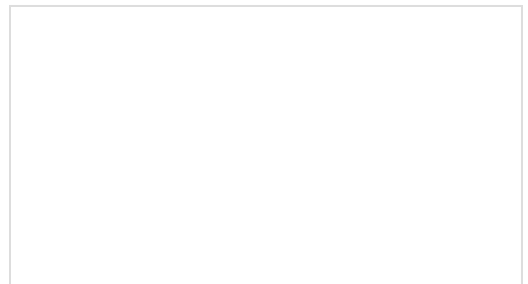
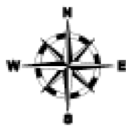




1" equals approx. 100 ft.

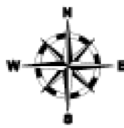
**1964 topographical map**

USGS, 5531713 GENEVA 15 X 15 MINUTE (1948, Revised 1964)



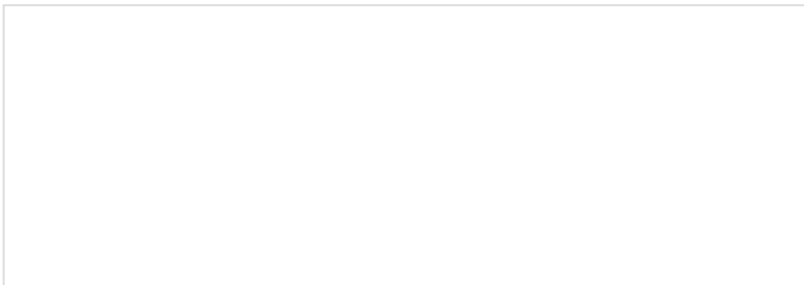


1" equals approx. 100 ft.



### 1938 aerial photograph

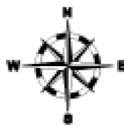
USDA / AAA (1939-11-14 - 1939-11-29)







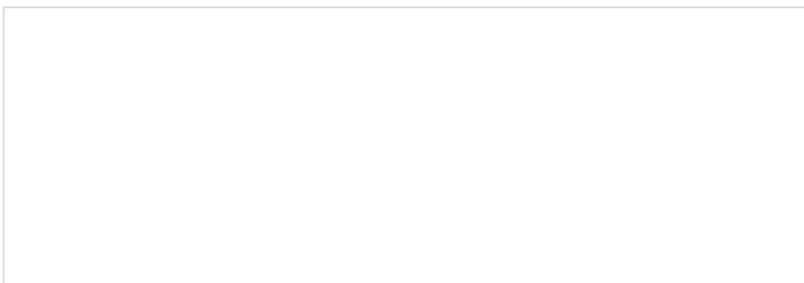
1" equals approx. 100 ft.



### 1946 aerial photograph

USGS (1946-07-04 - 1946-07-24)

USGS (1946-07-04 - 1946-07-24)

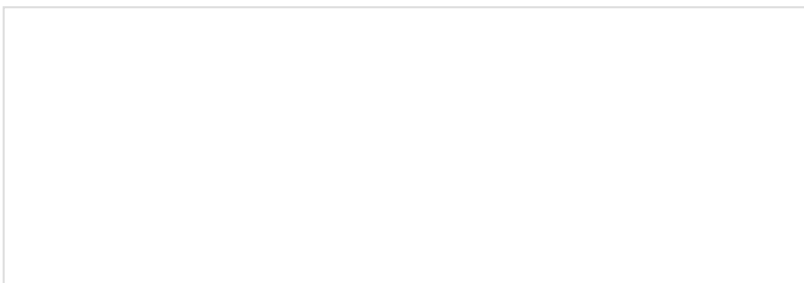




1" equals approx. 100 ft.



**1961 aerial photograph**  
 USDA (1961-11-07 - 1961-11-09)  
 USDA (1961-09-16 - 1961-09-28)



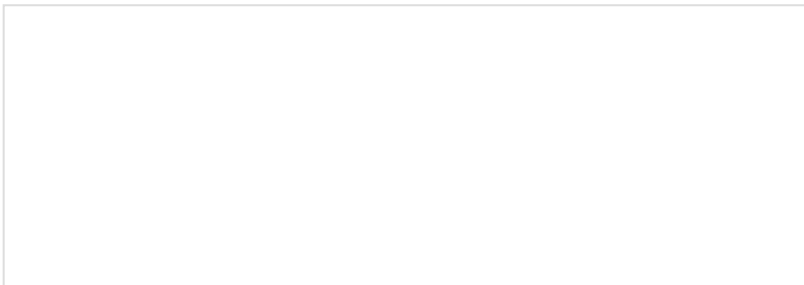




1" equals approx. 100 ft.



**1963 aerial photograph**  
USGS (1963-11-14 - 1963-11-14)

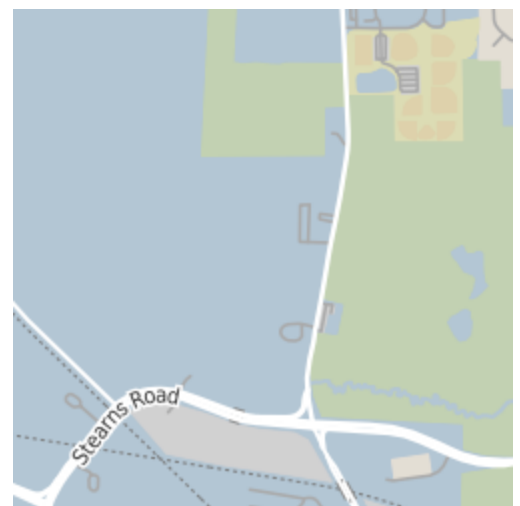
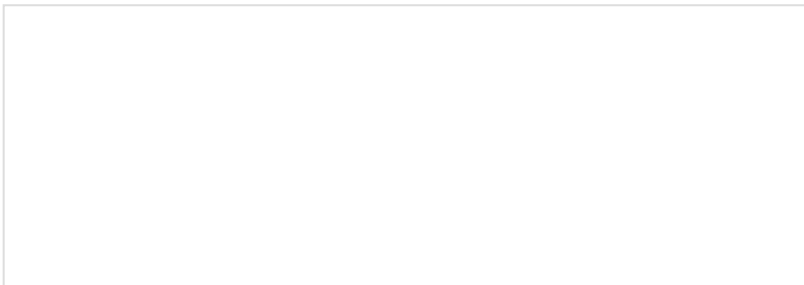




1" equals approx. 100 ft.



**1972 aerial photograph**  
USGS (1972-10-26 - 1972-10-26)







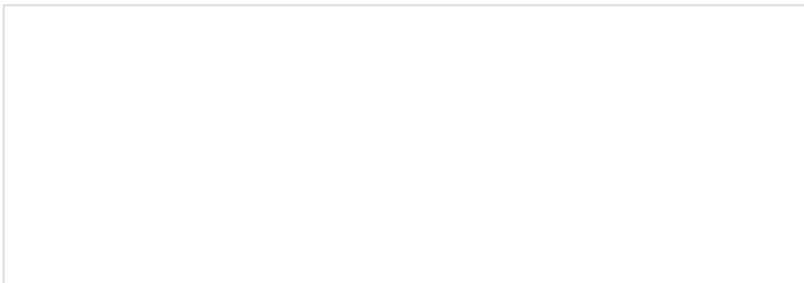
1" equals approx. 100 ft.



**1974 aerial photograph**

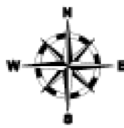
USDA (Unknown - 1974-10-10)

USDA (Unknown - 1974-10-10)





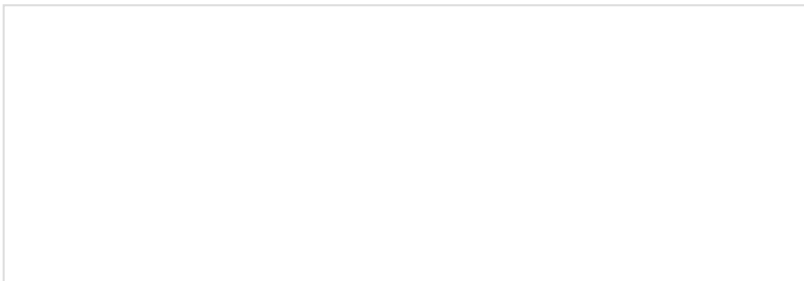
1" equals approx. 100 ft.



### 1988 aerial photograph

USDA (1988-04-12 - 1988-04-30)

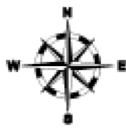
USDA (1988-04-12 - 1988-04-30)





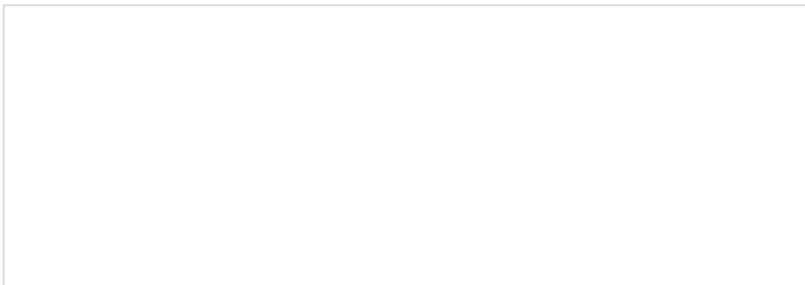


1" equals approx. 100 ft.



### 1994 aerial photograph

USGS DOQQ (1994-03-16 - 1994-04-17)



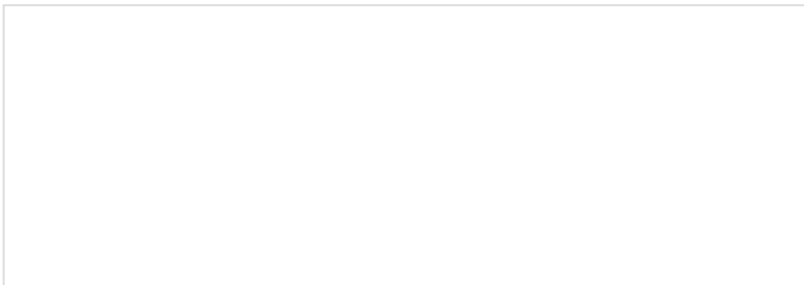


1" equals approx. 100 ft.



### 1999 aerial photograph

USGS DOQQ (1999-03-04 - 1999-04-29)







1" equals approx. 100 ft.

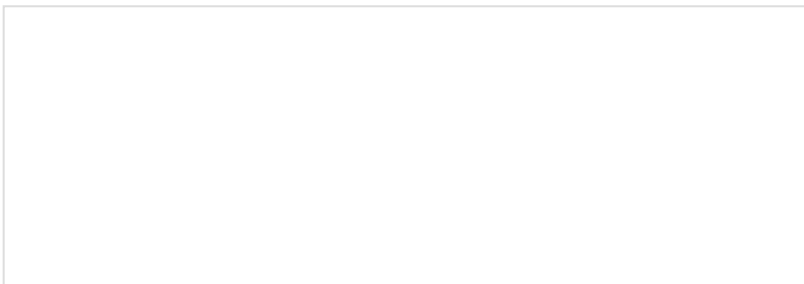


### 2002 aerial photograph

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

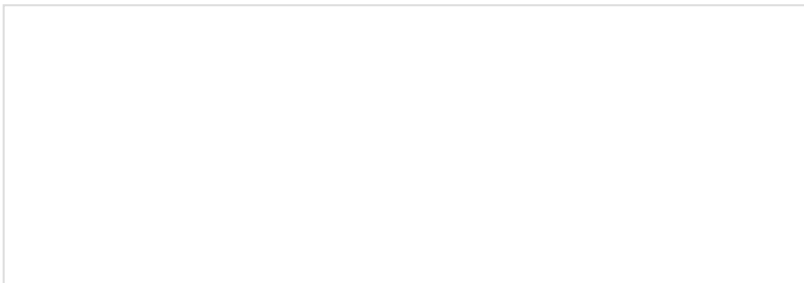




1" equals approx. 100 ft.



**2007 aerial photograph**  
 USDA (2007-06-07 - 2007-08-13)



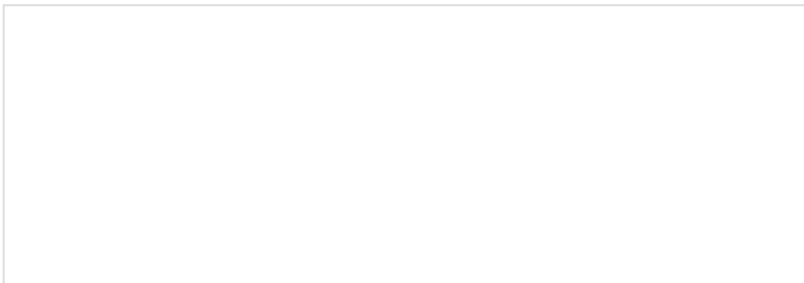




1" equals approx. 100 ft.



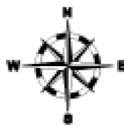
**2012 aerial photograph**  
 USDA (2012-06-05 - 2012-07-04)



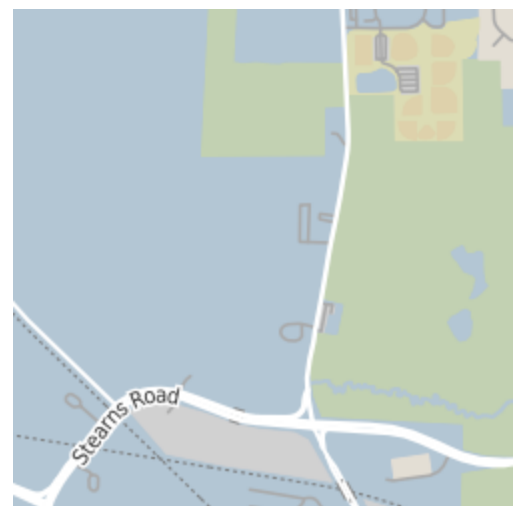
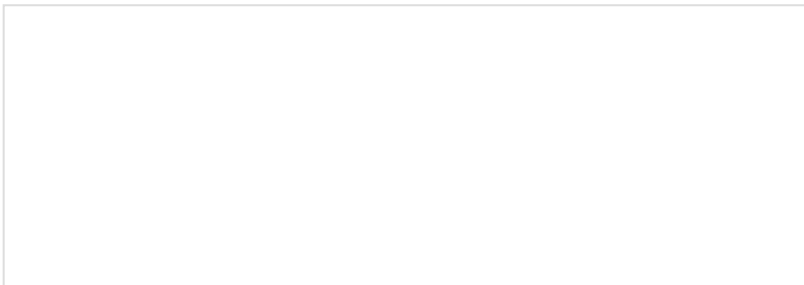




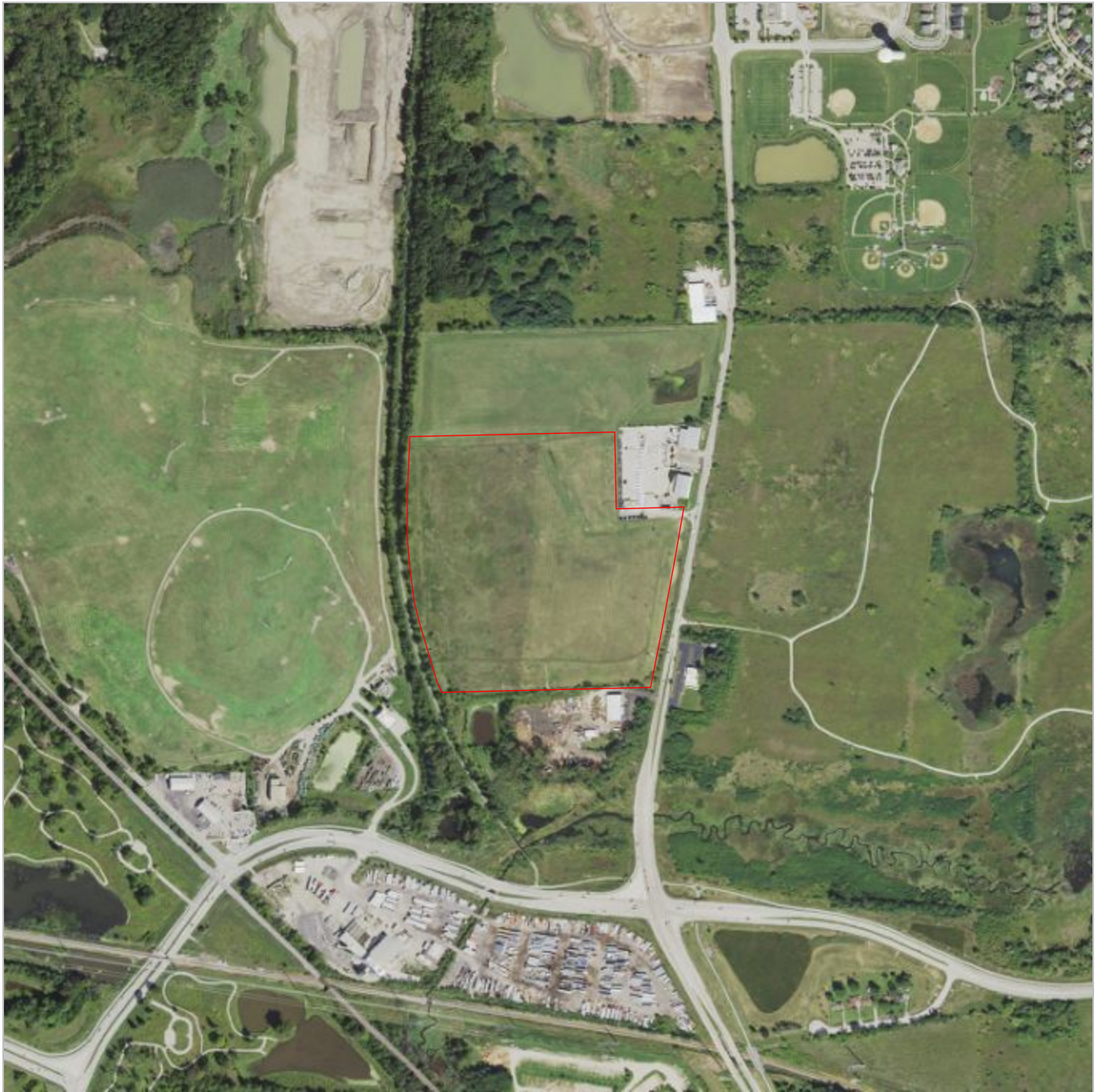
1" equals approx. 100 ft.



**2015 aerial photograph**  
 USDA (2015-07-15 - 2015-10-10)







1" equals approx. 100 ft.



### 2019 aerial photograph

USDA (2019-07-08 - 2019-10-09)

USDA (2019-08-09 - 2019-09-14)

USDA (2019-08-09 - 2019-09-14)

USDA (2019-08-02 - 2019-09-14)



prepared October 4, 2023 -- Historic Aerial imagery © 2023 ,

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

7N100-8N100 of E Rt 25

**Search Notes:**

E Rt 25 is also known as 7500-7700 Dunham Rd in Elgin. E Rt 25 is also known as 400-800 W Stearns Rd in Elgin.

## Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996-97	HAINES	
1991	HAINES	
1986	HAINES	
1982	HAINES	
1977	HAINES	
1971	HAINES	
1965	POLKS	
1960	POLKS	
1956	POLKS	
1951	POLKS	
1948	POLKS	
1943	EVANS	
1939	EVANS	
1935	EVANS	
1931	EVANS	
1929	EVANS	

### Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

7 DANIEL FAY...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 TRANSTRIDE INC...NONCLASSIFIED ESTABLISHMENTS  
7 WALTER ARNOLD...RESIDENTIAL  
7 WOODLAND LANDFILL GAS RECOVERY...ELECTRIC POWER DISTRIBUTION  
14 PRAIRE STATE ENT OF DARIEN LLC...ALTERNATIVE FUELS  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
34 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
7500 WOODLAND LANDFILL...LANDFILLS-SANITARY  
7512 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7657 BLACKJACKS GENTLEMENS CLUB...CLUBS

7 BETH DESANTO...RESIDENTIAL  
7 DANIEL FAY...RESIDENTIAL  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 TRANSTRIDE INC...NONCLASSIFIED ESTABLISHMENTS  
7 WOODLAND LANDFILL GAS RECOVERY...ELECTRIC POWER DISTRIBUTION  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
14 PRAIRE STATE ENT OF DARIEN LLC...ALTERNATIVE FUELS  
7500 WOODLAND LANDFILL...LANDFILLS-SANITARY  
7512 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7540 MIDWEST WRECKING CO...AUTOMOBILE WRECKING (WHLS)  
7657 BLACKJACKS GENTLEMENS CLUB...CLUBS  
8034 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)

7 BETH DESANTO...RESIDENTIAL  
7 BLACKJACKS GENTLEMENS CLUB...CLUBS  
7 ELMHURST CHICAGO STONE CO...CONCRETE PIPE (MFRS)  
7 ELMHURST CHICAGO STONE CO...SAND & GRAVEL (WHLS)  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 JESSICA HERNANDEZ...RESIDENTIAL  
7 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 WALTER ARNOLD...RESIDENTIAL  
7 WOODLAND LANDFILL...LANDFILLS-SANITARY  
8 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
8 U-HAUL...TRUCK, UTILITY TRAILER & RV RENTAL & LEASING  
14 ATM...AUTOMATED TELLER MACHINES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES

7 BLACK JACKS & GENTLEMANS'S CLB...CLUBS  
7 ELMHURST CHICAGO STONE CO...CONCRETE PIPE (MFRS)  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 KAREN ROLOFF...RESIDENTIAL  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 WALTER ARNOLD...RESIDENTIAL  
7 WALTER S ARNOLD LLC...SCULPTORS  
8 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
33 BETH BAKETZ...RESIDENTIAL  
33 FRANK ANDERSON...RESIDENTIAL  
33 ROBERT BAKETZ...RESIDENTIAL

6 I R TREE REMOVAL...ORNA SHRUB, TREE SV  
 7 BLACK JACKS & GENTLEMANS CLUB...CIVIC & SOCIAL ASSN  
 7 BLACK JACKS & GENTLEMANS CLUB...RESTAURANTS  
 7 ELMHURST CHICAGO STONE CO...SAND & GRAVEL (WHOLESALE)  
 7 ELMHURST CHICAGO STONE CO...MFG CONCRETE PDTS  
 7 ROYAL TRUCKING CO...TRUCKING  
 7 WALTER S ARNOLD LLC...MISC SERVICES NEC  
 7 WOODLAND LANDFILL...LANDFILLS-SANITARY  
 7 WOODLAND LANDFILL...REFUSE SYSTEMS  
 8 DIAMOND RENTAL CENTER INC...EQUIPMENT RENTAL/LEASING  
 8 DIAMOND RENTAL CTR...TRUCK RENTING & LEASING  
 8 DIAMOND RENTAL CTR...TRUCK RENTAL & LSG  
 8 GRANT TRUCK &...TRAILER HITCHES  
 8 GRANT TRUCK & TRAILER REPAIR...FARM & GARDEN MCHY  
 8 U-HAUL CO...TRUCK RENTAL & LSG  
 8 U-HAUL CO...TRUCK RENTING & LEASING  
 12 CYNTHIA G COLE...RESIDENTIAL  
 14 PRAIRE STATE ENT OF DARIEN LLC...GASOLINE SV STATION  
 26 KEVIN J BURRIS...RESIDENTIAL  
 70 ROBERT E HETLINGER...RESIDENTIAL  
 94 JAMES D SMITH...RESIDENTIAL  
 124 B BAKETZ...RESIDENTIAL  
 331 SANDRA G ROBERTS...RESIDENTIAL  
 414 BRAD M RUESCHAW...RESIDENTIAL  
 414 WILLIAM ROLOFF...RESIDENTIAL  
 675 MICHAEL J JR KENYON...RESIDENTIAL  
 911 J L FLOYD...RESIDENTIAL  
 917 RAY M ZEMON...RESIDENTIAL  
 921 LAURA GALINDO...RESIDENTIAL  
 944 H G MOORE...RESIDENTIAL

0 B BAKETZ...RESIDENTIAL  
 0 CYNTHIA G COLE...RESIDENTIAL  
 0 DONALD LINNEMAN...RESIDENTIAL  
 0 JAS D SMITH...RESIDENTIAL  
 0 MARK CRISCUOLO...RESIDENTIAL  
 0 WALLY SCHWEIGERT...RESIDENTIAL  
 34 DIAMOND RENTAL CTR  
 34 GRANT TRUCK & TRAILER REPAIR  
 34 U-HAUL CO  
 268 MIDWEST GROMASTER...HORTICULTURE SERVICES  
 337 BREWSTER CREEK KENNELS  
 417 BRACKMAN TRUCKING  
 417 SYNAGRO MIDWEST  
 419 MEYER MATERIAL CO  
 479 ELMHURST CHICAGO STONE CO...MONUMENTS AND GRAVE MARKERS,  
 EXCEPT TERRAZO  
 500 WOODLAND LANDFILL...NONHAZARDOUS WASTE DISPOSAL SITES  
 540 ARC DISPOSAL & RECYCLING CO...REFUSE COLLECTION AND DISPOSAL  
 SERVICES  
 657 BLACKJACKS A GENTLEMEN'S CLUB  
 911 KINVARRA STABLES  
 921 CAMP-TU-ENDIE-WEI...SPORTING CAMPS



0 DIAMOND RENTAL CTR  
 6 CAMP-TU-ENDIE-WEI  
 6 KINVARRA STABLES  
 7 ALLIANCE WASTE SVC  
 7 ARC DISPOSAL & RECYCLING CO  
 7 BIO GRO SYSTEMS INC  
 7 BLACKJACKS A GENTLEMEN'S CLUB  
 7 BRACKMAN TRUCKING  
 7 BREWSTER CREEK KENNELS  
 7 CHUCK'S TRUCK & TRAILER  
 7 CREATIVE MILLWORK  
 7 DJS ENTERPRISES  
 7 ELMHURST CHICAGO STONE CO  
 7 FOX VALLEY DOOR CO  
 7 GARAGE DOOR DISTRIBUTORS  
 7 MIDWEST DOOR CORP  
 7 TAYLOR CONSTRUCTION  
 7 TRY R FARMS INC  
 7 WOODLAND LANDFILL  
 8 GRANT TRUCK & TRAILER REPAIR  
 8 PAT-PERSONALIZED AUTO TECH  
 8 U-HAUL CO  
 9 BRADY READY-MIX CO  
 12 WHEELER CRAIG...RESIDENTIAL  
 26 SCHWEIGERT WALLY...RESIDENTIAL  
 33 BLACKHAWK STABLES  
 40 CRISCUOLO MARK...RESIDENTIAL  
 94 SMITH JAS D...RESIDENTIAL  
 124 BAKETZ B...RESIDENTIAL  
 141 TEAFOE T...RESIDENTIAL  
 151 KROLL MICHAEL C...RESIDENTIAL  
 304 UCENY C...RESIDENTIAL  
 330 HERD ROBERT A...RESIDENTIAL  
 339 ROBERTS SANDRA G...RESIDENTIAL  
 361 JOHNSON GARY...RESIDENTIAL  
 363 THOMPSON FLOYD W...RESIDENTIAL  
 414 ROLOFF GLENN W...RESIDENTIAL  
 414 ROLOFF WILLIAM J...RESIDENTIAL  
 450 LINNEMAN DONALD...RESIDENTIAL  
 540 HESTER ARNOLD R...RESIDENTIAL  
 673 HOLAN MICHAEL...RESIDENTIAL

# DUNHAM RD 60120 ELGIN

## WEALTH CODE 8.0

## SHOW AS PREFIX TO ST NO FOR MAILING 7 NORTH

7N141	DENNISON Ronald D	695-1375	+6
7N291	JOHNSON Gail	695-4498	+6
7N330	HERD Robt A	741-1444	
7N363	THOMPSON Floyd W	695-6341	8
7N512	★ MONARCH DISPOSAL CO	742-8990	8
	★ MONARCH DISPOSAL CO	741-5624	8
	★ MONARCH DISPOSAL CO	741-0896	8
	★ NORTHWSTRN RECYLING	741-5624	+6
★	4 BUS	4 RES	3 NEW

## ROUTE 25 60120 ELGIN

NO #	★ DAYS INN ELGIN	695-2100	+8
NO #	DILLON S Tenison	742-1383	
NO #	★ ELMHURST CHGO STONE	742-5311	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

7N006	ORUM Peter	695-0028	
7N021	DESANTO Clifford E	742-5898	
7N057	MALLO Michael	931-9541	2
7N151	KROLL Michael C	931-1733	
7N220	ABENDROTH Daniel	697-5759	
	ABENDROTH Linda S	697-5759	
7N239	RYAN Eugene C	742-7179	2
7N331	JORDAN Thos	697-1520	4
7N337	★ BREWSTER CREEK KNHL	697-1525	0
7N339	ROBERTS Sandra G	697-1521	9
7N414	ROLOFF Glenn W	697-0063	
	ROLOFF Wm J	888-0772	
	★ TRY R FARMS INC	888-2511	+6
7N417	★ BIO GRO SYSTEMS INC	888-2490	4
7N500	★ WOODLAND LANDFILL	741-0219	3
7N540	★ ARC DISPOSAL CO INC	741-9406	
	HESTER Arnold R	742-5790	7
7N657	★ TALISMAN RSTRNT	697-8150	+6
7N930	★ IL TOPSOIL	695-0468	+6
7N980	★ CENTENNIAL OVERHEAD	934-3830	7
	★ CHUCKS TRUCK PAINTG	697-2865	2
	★ CUTTING EDGE MLLWRK	888-9747	5
	★ FOX VLY DOOR CO	742-2400	0
	★ GRANT TRUCK REPAIR	742-6900	9
	★ MIDWEST DOOR CORP	437-2275	7
	★ MIDWEST DOOR CORP	742-2400	7
	★ MIDWST DOOR CORP	351-2288	5
	★ PAT	808-1600	+6
	★ TAYLOR KEN CONCRETE	741-9464	9

8 NORTH

8N675	KENYON Michael J Jr	697-7136	5
	SILVA Martha	695-6338	+6

9 NORTH

9N419	★ BRADY READY MIX CO	741-7870	4
	★ ELGIN READY MIX CO	888-8636	4
★	21 BUS	15 RES	6 NEW

STEARNS RD 60120  
ELGIN

WEALTH CODE 6.0.

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

32W450	LINNEMAN Donald	742-9034
--------	-----------------	----------

33 WEST

33W004	★ LITTLE WOOD FARM	622-0202	5
33W012	COLE Cynthia G	931-1849	+6
33W028	SCHWEIGERT Wally	888-8581	0
33W040	CRISCUOLO Mark	697-6506	5
33W070	HETLINGER Robt E	695-7904	5
33W094	SMITH Jas D	888-3066	5
33W124	BAKETZ B	888-4129	
★	1 BUS	7 RES	1 NEW



DUNHAM RD 60120  
ELGIN

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

747 SCHMIDT Jack 741-7513 8

..DUNHAM RD

60120 CONT..

7 NORTH

141	DENNISON Ronald DC	695-1375	3
	TEAFOE James	741-9633	8
291	XXXX	00	
330	HERD Robt A	741-1444	6
363	THOMPSON Floyd W	695-6341	8
512	★ MONARCH DISPOSAL CO	742-8990	8
	★ MONARCH DISPOSAL CO	741-5624	8
	★ MONARCH DISPOSAL CO	741-0896	9
★	3 BUS	6 RES	.0 NEW

## ROUTE 25 60120 ELGIN

NO #	DILLON S Tenison	742-1383	
NO #	*DYNAMIC COLLISION	695-4366	7
NO #	*ELMHURST STONE CO	742-5311	
NO #	*FAITH TABERNCL PRSE	888-2811	0
NO #	*HOWARD JOHNSON	695-2100	
NO #	MOORE H G	695-4409	6
NO #	*MOOSE ROD&GUN CLUB	888-9405	
NO #	RYAN Eugene C	742-7179	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772 DORR J M 697-2847

7 NORTH

006	ORUM C	697-8658	4
	ORUM Peter	695-0028	4
021	DESANTO Clifford E	742-5898	4
057	CARTER Glen	695-2795	+1
151	KROLL Michael C	931-1733	2
267	ODELL Tammy	697-3531	9
304	UCENY Catherine	742-0774	3
337	*BREWSTER CREEK KNNL	697-1525	0
339	JORDAN Thos	697-1520	+1
	ROBERTS Sandra G	697-1521	9
414	ROLOFF Glenn W	697-0063	
	ROLOFF Wm J	888-0772	4
417	*CLEAR WATER FARMS	888-2490	+1
540	*ARC DISPOSAL CO INC	741-9406	3
	HESTER Arnold R	742-5790	7
904	*ALS EXCAVATING	695-0467	0
	*ELGIN WAYNE CONTRS	742-8492	8
	*IL TOP SOIL	695-0467	0
980	*CENTENNIAL OVERHEAD	934-3830	7
	*FOX VLY DOOR CO	742-2400	0
	*GRANT TRUCK REPAIR	742-6900	9
	*MASTERS MECHANICAL	695-6626	9
	*MIDWEST DOOR CORP	437-2275	7
	*MIDWEST DOOR CORP	351-2288	7
	*MIDWEST DOOR CORP	742-2400	7
	*ROXY CARTAGE CO INC	695-7699	0
	*TAYLOR KEN CONCRETE	741-9464	9

8 NORTH

244	JOHNSON Harold	697-0699	8
675	DAYTON Russell	741-7774	8
*	20 BUS 18 RES	3 NEW	

STEARNS RD 60120  
ELGIN

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

450	LINNEMAN Donald	742-9034	5
455	STETTNER John Chuck	741-3242	5
478	LINNEMAN Monty	742-2229	0
747	HUNTER Donald C	742-8557	

33 WEST

012	WHEELER Craig	931-1849	5
026	SCHWEIGERT Wally	888-8581	0
094	KAY Allan R	742-7907	7
124	BAKETZ B	888-4129	2
142	TILLOTSON Robt W	695-3392	2
*	0 BUS 9 RES	0 NEW	

851 MAILING  
★ 0 BUS 15 RES  
DUNHAM RD 60120 ELGIN  
NO # CRISCUOLO ANDREW 635-7362 M

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

747 SCHMIDT JACK  
797 WEIS H R

741-7313 M  
741-5062 M

7 NORTH

141 DENNISON RONALD DC  
291 RAMSEY KENNETH

635-1573 M  
741-5062 M

..DUNHAM RD

60120 CONT.,

330 HERD ROBT A

741-1444 +6

337 HURST ROGER J

741-8628 8

★ 0 BUS 7 RES

4 NEW

## ROUTE 25 60120 ELGIN

NO #	CANFIELDS BEVERAGE	742-8993	8
NO #	DILLON S TENISON	742-1383	
NO #	ELGIN WAYNE DISPSL	742-8492	
NO #	ELMHURST CHGO STONE	742-5311	
NO #	HOWARD JOHNSON	695-2100	1
NO #	JOHNSON HAROLD	697-0699	+8
NO #	MOORE H G	695-4409	+8
NO #	MOOSE ROD&GUN CLUB	888-9406	8
NO #	RYAN EUGENE C	742-7179	
NO #	TALISMAN RESTRNT	697-8150	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772 DORR J M 697-2847 8

## ..ROUTE 25

## 60120 CONT..

## 7 NORTH

008	ORUM C	697-8658	4
	ORUM PETER	695-0028	4
021	DESANTO CLIFFORD E	742-5898	4
057	MAZA KATHY	742-1551	+8
151	KROLL MICHAEL C	931-1733	2
287	MONTI MARK	931-1517	5
268	MIDWEST GROUNDCOVER	742-1790	9
304	UCENY CATHERINE	742-0774	3
331	STANLEY M E	741-6662	2
	WALTER V B	741-7885	4
339	HIGHLAND C	888-8383	+8
414	ROLOFF GLENN W	697-0063	0
	ROLOFF WM J	888-0772	4
540	ARC DISPOSAL CO INC	741-9406	3
802	MIDWEST DOOR CORP	742-2400	+8

## 8 NORTH

675 BABCOCK WM H 742-7252 3

## 14 NORTH

322 RAUPP LEROY R 695-0201 3  
★ 9 BUS 19 RES 5 NEW



## DUNHAM RD 60120 ELGIN

NO #	COPPER KING FENCE	697-7491	9
NO #	DENNISON RONALD DC	695-1375	1
NO #	ERICKSON ROBT E	741-7513	
NO #	RAMSEY KENNETH	741-8998	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

303	HEMPHILL SHELDON	741-7759	9
306	FORRESTER JAS C	695-6765	0
337	HURST ROGER J	741-9628	9
*	2 BUS	5 RES	0 NEW

DUNHAM RD 60177  
SOUTH ELGIN

NO LISTINGS

## RT 25 60120 ELGIN

NO #	BABCOCK WM H	742-7252	6
NO #	CANFIELDS BEVERAGE	742-8993	6
NO #	CUSTOM FURNITUR MFG	695-7040	
NO #	DILLON S TENISON	742-1383	
NO #	ELGIN WAYNE DISPOS	742-8492	4
NO #	ELMHURST CHICAGO CO	742-5311	
NO #	HOWARD JOHNSONS	888-9380	7
NO #	HOWARD JOHNSONS	695-2100	1
NO #	JUDD M K	931-1285	+2
NO #	MOOSE ROD&GUN CLUB	888-9405	8
NO #	RYAN EUGENE C	742-7179	4
NO #	SNIDER BOB	741-0277	1
NO #	TALISMAN RESTRNT	697-8150	5
NO #	UCENY CATHERINE	742-0774	4

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772	DORR J M	697-2847	8
888	MIEDEMA HAROLD J	888-3240	0
921	EBY JAS C	695-5197	1

7 NORTH

006	XXXX	00
057	MALLO E H	742-3673 +2
151	KROLL MICHAEL C	931-1733 +2
220	DEFOY PAUL	741-9108 7
	DEFOY TERRY	695-3849 +2
268	MIDWEST GROUNDCOVERS	742-1790 9
	ORUM PETER	695-0028 0
331	PAXTON RON	888-1084 1
	STANLEY M E	741-6662 +2
414	ROLOFF GLENN W	697-0063 0
	ROLOFF WM J	888-2490 9
540	A R C DISPOSAL CO	741-9406 +2
*	10 BUS	19 RES 6 NEW

## STEARNS RD 60120 ELGIN

NO #	LINNEMAN DONALD	742-9034	
NO #	RUSSELL EARL B JR	888-3360	0
NO #	SZABO JOS	695-4647	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

455	STETTNER JOHN J	741-3242	8
673	HAAS HERMAN	741-2093	7
747	HUNTER DONALD C	742-8557	7

33 WEST

026	BROWN ANNETTE E	888-2831	0
108	KAY ALLAN R	742-7907	
124	BAKETZ B	888-4129	+2
142	TILLOTSON ROBT W	695-3392	+2
★	0 BUS	10 RES	2 NEW

## DUNHAM RD 60120 ELGIN

NO #	AWE MARVIN	742-8090
NO #	ERICKSON ROBT E	741-7513
NO #	HOUSTON B GALE JR	695-8168 3
NO #	RAMSEY KENNETH	741-8998

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

303	DAVIDSON TERRY L	695-4992+7
363	HURST ROGER J	697-7491+7
*	0 BUS	6 RES 2 NEW

## DUNHAM RD 60177 SOUTH ELGIN

NO LISTINGS



## ROUTE 25 60120 ELGIN

NO # BABCOCK WM H 742-7252 6  
 NO #\*BLANCHARD FEED SPLY 742-5598 5  
 NO # BLANCHARD ROBT B 742-5260 5  
 NO #\*C I D TRI CO LND FLL 741-0219 4  
 NO #\*CUSTOM FURNITUR MFG 695-7040  
 NO # DELANEY HAROLD 741-0756  
 NO # DILLON S TENISON 742-1383  
 NO #\*E J KENNELS 741-5602 4  
 NO #\*ELGIN DISPOSAL CO 741-5023 4  
 NO #\*ELGIN W DSPSL CONTR 742-8492 4  
 NO #\*ELMHURST CHGO STONE 742-5311 2  
 NO # HARDER TOM 695-4367 6  
 NO #\*HOWARD JOHNSONS 741-9380  
 NO #\*HOWARD JOHNSONS 695-2100  
 NO #\*HOWARD JOHNSONS 888-9380+7  
 NO #\*MOOSE ROD&GUN CLUB 741-9405  
 NO # RYAN EUGENE C 742-7179 4  
 NO #\*SCHAUMBURG DISPOSAL 741-5023 5  
 NO #\*SKORBERGS OF ELGIN 742-6944 4  
 NO # SNIDER BOB 741-0277 6  
 NO # STANLEY LENORE N 741-1182  
 NO #\*TALISMAN CLUB 697-8150 5  
 NO #\*TRI COUNTY LANDFILL 741-9538  
 NO # UCENY CATHERINE 742-0774 4  
 NO # VALLEY VW BAPT PSNG 742-9764 3  
 NO #\*WISHING WELL KENNEL 741-1182  
 NO # YOUNG OHNS JANE 741-1182

SHOW AS PREFIX TO  
 ST NO FOR MAILING  
 7 NORTH

006\*FOX GLEN BUILDERS 741-8775  
 057 LANDER ARTHUR M 695-3806 6  
 151 DEFOY ROBT M 742-5039 6  
 220 DEFOY PAUL 741-9108+7  
 267\*MAXWELL MAINTENANCE 697-4693 6  
 414 SORENSEN CLIFFORD 741-4372+7  
 \* 18 BUS 15 RES 3 NEW

## STEARNS RD 60120 ELGIN

NO # GRIFFIN WM H 695-1690 3  
 NO # KROLL HENRY A 837-3326  
 NO # LINNEMAN DONALD 742-9034  
 NO # NELSON RICHARD L 695-7164+7  
 NO # SEATON WALTER 697-1711+7  
 NO # SZABO JOS 695-4647 2

SHOW AS PREFIX TO  
 ST NO FOR MAILING  
 32 WEST

673 HAAS HERMAN 741-2093+7  
 747 HUNTER DONALD C 742-8557+7

33 WEST

108 KAY ALLAN R 742-7907  
 124 VOLMER FRED G 742-0809+7  
 \* 0 BUS 10 RES 5 NEW

DUNHAM RD 60120 ELGIN

NO # AWE MARVIN 742-8090  
NO # ERICKSON R E CHLDN 741-7521  
NO # ERICKSON ROBT E 741-7513  
NO # MULLIKEN O D MD 742-1569  
NO # RAMSEY KENNETH 741-8998  
NO # RYAN EUGENE C 742-7179  
NO # SCHMIDT A J 741-8949  
NO # SIMPSON M A 695-6678  
\* 0 BUS 8 RES 2 NEW

DUNHAM RD 60177 SOUTH ELGIN

NO # JONES BENNIE H 695-0437  
\* 0 BUS 1 RES 0 NEW

STEARNS RD 60120 ELGIN

NO # DASHER NORVEL O	695-4476
NO # HAAS HERMAN	741-2093
NO # KAY ALLAN R	742-7907
NO # KROLL HENRY A	837-3326
NO # LINNEMAN DONALD	742-9034
NO # MANIS GEO A	695-2070

..STEARNS RD	60120 CONT..
NO # MURPHY DON M	837-9366+1
NO # STETTNER OTTO J	742-2167
NO # TOPPER DONALD A	695-6375
NO # VOLMER FRED G	742-0809
* O BUS	10 RES 1 NEW

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED



STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

# Owner/Operator-Provided Information



## FORMER OWNER/OPERATOR INTERVIEW FORM

Date: \_\_\_\_\_ Property Address: \_\_\_\_\_ Project Number: \_\_\_\_\_

Were previous owners or operators identified: ☐ No ☐ Yes

PREVIOUS OWNER/OCCUPANT/OPERATOR IDENTIFIED	SOURCE (municipal records, site contact, current owner, previous reports, other)	Where was contact information obtained (current owner, internet search, etc.)

For identified former owners/occupants/operators with contact information obtained, interview attempts must be documented in accordance with the Phase I Standard. Attempts to interview past owners/occupants/operators shall be documented below:

Name of previous owner/occupant/operator	Date of interview attempt	Interview conducted? (Y/N)	Information obtained regarding historical uses of the Subject Property and potential environmental concerns identified.



# Municipal Information

Notice

To view current assessment information, use the Tax Year dropdown to select the current year.

Property Information		
<b>Parcel Number</b> 09-01-200-017	<b>Site Address</b>	<b>Owner Name &amp; Address</b> TRI COUNTY LANDFILL CO DAVID EVENHOUSE 11701 COOPER WAY ORLAND PARK, IL, 60467-7100
<b>Tax Year</b> 2024 (Payable 2025) ▼		
<b>Sale Status</b> None		
<b>Property Class</b> 0060 - Commercial	<b>Tax Code</b> SC003 -	<b>Tax Status</b> Taxable
<b>Net Taxable Value</b> 4,923	<b>Tax Rate</b> Unavailable	<b>Total Tax</b> Unavailable
<b>Township</b> ST CHARLES	<b>Acres</b> 40.9900	<b>Mailing Address</b> TRI COUNTY LANDFILL CO DAVID EVENHOUSE 11701 COOPER WAY ORLAND PARK, IL, 60467-7100
<b>Legal Description (not for use in deeds or other transactional documents)</b>		

Print Tax Bill

No Billing Information

Payment History			
Tax Year	Total Billed	Total Paid	Amount Unpaid
2023	\$353.76	\$353.76	\$0.00
2022	\$395.50	\$395.50	\$0.00
2021	\$380.82	\$380.82	\$0.00
Show 19 More			

Assessments							
Level	Homesite	Dwelling	Farm Land	Farm Building	Mineral	Total	Partial Building
DOR Equalized	4,923	0	0	0	0	4,923	No
Department of Revenue	4,923	0	0	0	0	4,923	No
Board of Review Equalized	4,923	0	0	0	0	4,923	No
Board of Review	4,923	0	0	0	0	4,923	No
S of A Equalized	4,923	0	0	0	0	4,923	No
Supervisor of Assessments	4,406	0	0	0	0	4,406	No
Township Assessor	4,406	0	0	0	0	4,406	No
Prior Year Equalized	4,406	0	0	0	0	4,406	No
There are 8 levels of assessment in an assessment year. The assessed value is not final for the year until all levels of assessment are complete. The assessment year is complete when the DOR Equalized line appears at the top of the list shown above.							

No Exemptions

No Taxing Bodies Information

No Redemptions

No Forfeiture Information

No Farmland Information

 Map

View Full Screen

No Sales History Information

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## **Freedom of Information Act Request to the Office of the Kane County Clerk**

**\*\*Note to Requester: This form is designed to provide you with helpful guidance on how to submit a FOIA request to the Kane County Clerk's office. You do not need to use this form. You may submit a FOIA request in any written format that you choose. You should retain a copy of your FOIA request for your files.\*\***

Request Submitted to: The Kane County Clerk  
719 S. Batavia Avenue—Bldg. B  
Geneva, Illinois 60134

Date Requested: April 1, 2025

Request Submitted by: ☒ Email ☐ U.S. Mail ☐ Fax ☐ In Person

Name of Requester: Michael Delaney

Street Address: 300 State Street, Suite 201

City/State/Zip: Rochester, NY 14614

Telephone (Optional): 585-694-0655 Email (Optional): mdelaney@labellapc.com

Fax (Optional): \_\_\_\_\_

Records requested: **Provide as much specific detail as possible to help identify the information that you are seeking. Additional pages may be attached if necessary.**

•Assessment Records (current and/or historical property cards)  
•Building Inspection/Code Enforcement Records (records of tank installation, permits, removals, or closures, construction/demolition permits)  
•Records of Environmental Concerns, issues, or violation (if available)  
•Fire Marshal Records (records of fires or spills at the Site)  
•Records of soil or groundwater contamination/cleanup or on-Site remediation (if available)  
For:  
Address: Unaddressed parcel on Route 25, St. Charles, IL 60120  
Tax ID: 09-01-200-017  
Owner: Tri County Landfill Co

Do you want to receive copies of the documents? ☒ Yes ☐ No

Or do you want to review the documents in the Kane County Clerk's Office? ☐ Yes ☒ No

If you would like to receive copies of the documents:

Do you want paper copies or electronic copies? \_\_\_\_\_Paper ☒Electronic

If you want electronic copies, please indicate the format in which you would like to receive them: PDF via email

The Kane County Clerk's Office will provide documents in the electronic format requested, if feasible.

Is this request for a commercial purpose? ☒Yes \_\_\_\_\_No

**It is a violation fo the Freedom of Information Act for a person to knowingly obtain a public record for a commercial purpose without disclosing that it is for a commercial purpose, if it is requested to do so by the public body. 5 ILCS 140.3.1 (c)**

Are you requesting a fee waiver? \_\_\_\_\_Yes ☒No

**If you are requesting a waiver of any fees for copying the documents, you must attach a statement of the purpose of the request and whether the principal purpose of the request is to access or disseminate information regarding the health, safety and welfare or legal rights of the general public. 5 ILCS 140/6 (c)**



# Regulatory Information



# DATABASE REPORT

<b>Project Property:</b>	<i>Tri-County Solar update 7N904 Illinois 25 Elgin IL 60120</i>
<b>Project No:</b>	<i>2233821</i>
<b>Report Type:</b>	<i>Database Report</i>
<b>Order No:</b>	<i>25032400768</i>
<b>Requested by:</b>	<i>LaBella Associates</i>
<b>Date Completed:</b>	<i>March 25, 2025</i>

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

# Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	8
Executive Summary: Site Report Summary - Surrounding Properties.....	11
Executive Summary: Summary by Data Source.....	14
Map.....	23
Aerial.....	26
Topographic Map.....	27
Detail Report.....	28
Unplottable Summary.....	139
Unplottable Report.....	140
Appendix: Database Descriptions.....	141
Definitions.....	157

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# Executive Summary

## Property Information:

**Project Property:** *Tri-County Solar update  
7N904 Illinois 25 Elgin IL 60120*

**Project No:** *2233821*

### **Coordinates:**

**Latitude:** *41.98281015*  
**Longitude:** *-88.27141827*  
**UTM Northing:** *4,648,649.41*  
**UTM Easting:** *394,674.90*  
**UTM Zone:** *16T*

**Elevation:** *788 FT*

## Order Information:

**Order No:** *25032400768*  
**Date Requested:** *March 24, 2025*  
**Requested by:** *LaBella Associates*  
**Report Type:** *Database Report*

## Historicals/Products:

**ERIS Xplorer** [\*ERIS Xplorer\*](#)  
**Excel Add-On** *Excel Add-On*  
**Vapor Screening Tool** *Vapor Screening Tool*

## Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	1	0	0	0	0	1
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	1	1	0	0	-	2
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	1	-	1
CERCLIS	Y	0.5	2	0	0	1	-	3
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	1	-	1
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	2	-	-	2
RCRA NON GEN	Y	0.25	2	0	0	-	-	2
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	1	0	0	0	-	1
FED INST	Y	0.5	1	0	0	0	-	1
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0



<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	1	0	0	0	0	1
<b>State</b>								
SSU	Y	1	0	0	0	0	0	0
DELISTED SSU	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	2	1	0	0	-	3
SWF/LF SPECIAL	Y	0.5	0	0	0	0	-	0
NIPC	Y	0.5	1	3	0	0	-	4
CCDD	Y	0.5	0	0	0	1	-	1
LUST	Y	0.5	1	1	0	0	-	2
LUST DOCUMENT	Y	0.5	1	2	0	0	-	3
DELISTED LUST	Y	0.5	0	0	0	0	-	0
LUST TRUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	1	2	1	-	-	4
AST	Y	0.25	0	5	5	-	-	10
DELISTED TANK	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	0	0	0	-	0
INST	Y	0.5	0	0	0	0	-	0
AUL	Y	0.5	0	0	0	0	-	0
SRP	Y	0.5	0	0	0	0	-	0
REM ASSESS	Y	0.5	0	0	0	1	-	1
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWN MBRGP	Y	0.5	0	0	0	0	-	0
<b>Tribal</b>								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
<b>County</b>								

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
TANKS CHICAGO	Y	0.25	0	0	0	-	-	0
PERMITS CHICAGO	Y	0.125	0	0	-	-	-	0

#### **Additional Environmental Records**

##### **Federal**

PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	5	1	-	-	-	6
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	2	0	0	-	2
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	2	-	-	-	-	2
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MINES	Y	0.25	0	0	1	-	-	1
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	1	1
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	1	-	-	-	-	1
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0

#### State

SPILLS	Y	0.125	1	1	-	-	-	2
SPILL OER	Y	0.125	0	0	-	-	-	0
PFAS SPILLS	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
IEPA DOCS	Y	PO	1	1	-	-	-	2
CDL	Y	0.25	0	0	0	-	-	0
TIER 2	Y	0.125	1	1	-	-	-	2
AIR PERMITS	Y	0.25	1	1	0	-	-	2
UIC	Y	PO	2	-	-	-	-	2
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
COMPOST	Y	0.5	0	0	0	0	-	0

#### Tribal

**No Tribal additional environmental record sources available for this State.**

#### County

**No County additional environmental record sources available for this State.**

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<b>Total:</b>	<b>29</b>	<b>22</b>	<b>9</b>	<b>5</b>	<b>1</b>	<b>66</b>
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\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

## Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	NPL	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID: ILD048306138</i>	NNE	0.00 / 0.00	0	<a href="#">28</a>
<a href="#">2</a>	SWF/LF	Tri-County	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	0	<a href="#">29</a>
<a href="#">3</a>	FINDS/FRS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">29</a>
<a href="#">3</a>	ICIS	TRI-COUNTY LANDFILL COMPANY	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">30</a>
<a href="#">3</a>	ICIS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">30</a>
<a href="#">4</a>	CERCLIS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>Site EPA ID: ILD048306138</i>	NE	0.00 / 0.00	-17	<a href="#">30</a>
<a href="#">4</a>	FED ENG	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID: ILD048306138</i>	NE	0.00 / 0.00	-17	<a href="#">38</a>
<a href="#">4</a>	FED INST	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID: ILD048306138</i>	NE	0.00 / 0.00	-17	<a href="#">42</a>
<a href="#">4</a>	LUST	Waste Management West	7 North 904 Rt. 25 Elgin IL 60120  <i>Incident No   Incidents ID   NFR Date: 940421   16631  </i>	NE	0.00 / 0.00	-17	<a href="#">42</a>
<a href="#">4</a>	NIPC	ELGIN LANDFILL	ST CHARLES TWP* IL	NE	0.00 / 0.00	-17	<a href="#">43</a>
<a href="#">4</a>	UST	Waste Management West	7 N 904 Rt 25 Elgin, IL 60120 Elgin IL  <i>Facility No   Facility Status: 2001049   Closed Tank No   Status   Removed Date: 1   Removed   1/27/1995, 2   Removed   1/26/1995, 3   Removed   1/26/1995</i>	NE	0.00 / 0.00	-17	<a href="#">43</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">4</a>	FINDS/FRS	WASTE MANAGEMENT OF ILLINOIS	7N904 RTE 25 ELGIN IL 60120 <i>Registry ID: 110018221315</i>	NE	0.00 / 0.00	-17	<a href="#">44</a>
<a href="#">4</a>	FINDS/FRS	WASTE MANAGEMENT WEST-ELGIN/WAYNE	7 N 904 ROUTE 25 ELGIN IL 60120 <i>Registry ID: 110001358780</i>	NE	0.00 / 0.00	-17	<a href="#">45</a>
<a href="#">4</a>	SPILLS	WASTE MANAGEMENT WEST	7N904 ROUTE 25 ELGIN IL <i>Incident No: 940421</i>	NE	0.00 / 0.00	-17	<a href="#">45</a>
<a href="#">4</a>	SWF/LF	Elgin Landfill	7N904 Rte 25 South Elgin IL 60121	NE	0.00 / 0.00	-17	<a href="#">46</a>
<a href="#">4</a>	SEMS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177 <i>EPA ID: ILD048306138</i>	NE	0.00 / 0.00	-17	<a href="#">47</a>
<a href="#">4</a>	SUPERFUND ROD	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 6017	NE	0.00 / 0.00	-17	<a href="#">52</a>
<a href="#">4</a>	LUST DOCUMENT	Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	-17	<a href="#">53</a>
<a href="#">4</a>	AIR PERMITS	Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	-17	<a href="#">53</a>
<a href="#">4</a>	IEPA DOCS	Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	-17	<a href="#">54</a>
<a href="#">4</a>	RCRA NON GEN	WASTE MGMT WEST	7 N 904 RT 25 ELGIN IL 60120 <i>EPA Handler ID   Recycler Activity?: ILR000000737   NO</i>	NE	0.00 / 0.00	-17	<a href="#">54</a>
<a href="#">4</a>	UIC	WASTE MANAGEMENT WEST - ELGIN	7 N 904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	-17	<a href="#">56</a>
<a href="#">4</a>	UIC	WASTE MANAGEMENT - ELGIN HAULING	7N904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	-17	<a href="#">56</a>
<a href="#">4</a>	AFS	WASTE MANAGEMENT WEST-ELGIN/WAYNE	7 N 904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	-17	<a href="#">57</a>
<a href="#">4</a>	FINDS/FRS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	-17	<a href="#">58</a>



Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			<b>Registry ID: 110071101749</b>				
<a href="#">5</a>	CERCLIS	ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	-17	<a href="#">58</a>
			<b>Site EPA ID: ILD981960800</b>				
<a href="#">6</a>	FINDS/FRS	PINGEL, BARBARA-ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120	ESE	0.00 / 0.00	-28	<a href="#">60</a>
			<b>Registry ID: 110007906891</b>				
<a href="#">6</a>	RCRA NON GEN	ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120	ESE	0.00 / 0.00	-28	<a href="#">61</a>
			<b>EPA Handler ID   Recycler Activity?: ILR000106971   NO</b>				
<a href="#">7</a>	TIER 2	South Elgin	7N.749 Route 25 Elgin IL 60120	ENE	0.00 / 0.00	-29	<a href="#">62</a>

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">8</a>	LUST	Arc Disposal	7 North 540 Rt. 25 Elgin IL 60120	SE	0.01 / 46.37	-41	<a href="#">71</a>
<b>Incident No / Incidents ID / NFR Date:</b> 991256   23824   05/31/2007							
<a href="#">8</a>	UST	ARC Disposal Co., Inc.	7 N 540 Rt 25 Elgin, IL 60120 Elgin IL	SE	0.01 / 46.37	-41	<a href="#">72</a>
<b>Facility No / Facility Status:</b> 2000516   Closed <b>Tank No / Status / Removed Date:</b> 1   Removed   8/12/1999							
<a href="#">8</a>	FINDS/FRS	ARC DISPOSAL	7N540 RTE 25 ELGIN IL 60120	SE	0.01 / 46.37	-41	<a href="#">73</a>
<b>Registry ID:</b> 110018446653							
<a href="#">8</a>	SPILLS	ARC DISPOSAL	7N540 ROUTE 25 ELGIN IL	SE	0.01 / 46.37	-41	<a href="#">74</a>
<b>Incident No:</b> 991256							
<a href="#">8</a>	AST	J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.01 / 46.37	-41	<a href="#">74</a>
<b>Type / Tank:</b> Tank - Above Ground Dis   TANK#1-500							
<a href="#">8</a>	AST	J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.01 / 46.37	-41	<a href="#">75</a>
<b>Type / Tank:</b> Tank - Above Ground Disp   TANK#1-500							
<a href="#">8</a>	LUST DOCUMENT	Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.01 / 46.37	-41	<a href="#">75</a>
<a href="#">8</a>	IEPA DOCS	Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.01 / 46.37	-41	<a href="#">75</a>
<a href="#">9</a>	NIPC	TRICOUNTY	ST CHARLES TWP* IL	E	0.05 / 243.13	-31	<a href="#">76</a>
<a href="#">10</a>	NIPC	WOODLAND LANDFILL	ST CHARLES TWP* IL	WSW	0.05 / 269.33	-29	<a href="#">76</a>
<a href="#">10</a>	NIPC	WOODLAND LANDFILL #2	ST CHARLES TWP* IL	WSW	0.05 / 269.33	-29	<a href="#">76</a>
<a href="#">10</a>	UST	Waste Management Of Illinois Inc	7 N 500 Route 25 South Elgin, IL 60177 South Elgin IL	WSW	0.05 / 269.33	-29	<a href="#">77</a>
<b>Facility No / Facility Status:</b> 2007470   Closed <b>Tank No / Status / Removed Date:</b> 1   Removed   7/10/1992							

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">10</a>	SWF/LF	Woodland Rdf	7N500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	-29	<a href="#">78</a>
<a href="#">10</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	-29	<a href="#">78</a>
			<b>Type / Tank:</b> Tank - Above Ground Bulk   TANK #1-1500				
<a href="#">10</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	-29	<a href="#">78</a>
			<b>Type / Tank:</b> Tank - Above Ground Bulk   TANK #3-750-				
<a href="#">10</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	-29	<a href="#">78</a>
			<b>Type / Tank:</b> Tank - Above Ground Bulk   TANK #2-1500-				
<a href="#">10</a>	TIER 2	Woodland Recycling & Disposal Facility	7N 500 Route 25 South Elgin IL 60177	WSW	0.05 / 269.33	-29	<a href="#">79</a>
<a href="#">10</a>	LUST DOCUMENT	Woodland RDF - 170000617866	7n500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	-29	<a href="#">92</a>
<a href="#">10</a>	AIR PERMITS	Woodland Rdf	7n500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	-29	<a href="#">92</a>
<a href="#">10</a>	PFAS IND	WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	WSW	0.05 / 269.33	-29	<a href="#">93</a>
<a href="#">11</a>	SEMS	ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177 <b>EPA ID:</b> ILD981960800	NNE	0.09 / 487.73	-17	<a href="#">94</a>
<a href="#">12</a>	PFAS IND	WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	W	0.12 / 620.32	-37	<a href="#">96</a>
<a href="#">13</a>	MINES	BLUFF CITY MATERIALS, INC.	S. Elgin IL <b>Mine ID:</b> 1102962	NE	0.15 / 789.13	-30	<a href="#">96</a>
<a href="#">14</a>	RCRA VSQG	ECSC SOUTH ELGIN	RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177 <b>EPA Handler ID / Recycler Activity?:</b> ILR000022285   NO	SSE	0.22 / 1,175.41	-43	<a href="#">127</a>
<a href="#">15</a>	RCRA VSQG	HB BLACKTOP AND SONS INC	33 W 800 GILBERT ST SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">128</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<b>EPA Handler ID / Recycler Activity?:</b> ILD984850933   NO							
<a href="#">15</a>	UST	H B Blacktop & Son Inc	33W800 Gilber St South Elgin, IL 60177 South Elgin IL <b>Facility No / Facility Status:</b> 2027898   Closed <b>Tank No / Status / Removed Date:</b> 2   Removed   5/4/1998, 1   Removed   5/4/1998	WSW	0.24 / 1,263.45	-41	<a href="#">130</a>
<a href="#">15</a>	AST	FOX RIVER & COUNTRYSIDE FIRE/RESCUE	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">131</a>
<b>Type / Tank:</b> Tank - Above Ground Dispensing   TANK# 2-500							
<a href="#">15</a>	AST	FOX RIVER & COUNTRYSIDE FIRE/RESCUE	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">131</a>
<b>Type / Tank:</b> Tank - Above Ground Dispensing   TANK# 3-500							
<a href="#">15</a>	AST	H B Unlimited	33 West 802 GILBERT Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">131</a>
<b>Type / Tank:</b> Tank - Above Ground Dis   TANK#1-1,000							
<a href="#">15</a>	AST	FOX RIVER & COUNTRYSIDE FIRE/RESCUE DIST.	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">132</a>
<b>Type / Tank:</b> Tank - Above Ground Dispensing   TANK#1-1000							
<a href="#">15</a>	AST	H B Unlimited	33 West 802 GILBERT Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	-41	<a href="#">132</a>
<b>Type / Tank:</b> Tank - Above Ground Dis   TANK#2-2,500							
<a href="#">16</a>	CERCLIS	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	-54	<a href="#">132</a>
<b>Site EPA ID:</b> ILD097282750							
<a href="#">16</a>	CERCLIS NFRAP	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	-54	<a href="#">134</a>
<b>Site EPA ID:</b> ILD097282750							
<a href="#">17</a>	SEMS ARCHIVE	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.28 / 1,453.47	-51	<a href="#">136</a>
<b>EPA ID:</b> ILD097282750							
<a href="#">18</a>	REM ASSESS	Waste Mgmt of II - Closed Landfill	Rte 25 South Elgin IL 60177	WNW	0.33 / 1,744.57	-57	<a href="#">137</a>
<a href="#">19</a>	CCDD	47 Acres Southwind Park CCDD	2250 Southwind Boulevard, Bartlett IL	NNE	0.45 / 2,383.92	-20	<a href="#">138</a>
<a href="#">20</a>	MRDS	SOUTH ELGIN PLANT & PIT	KANE COUNTY SOUTH ELGIN IL 60177	NW	0.99 / 5,212.42	-40	<a href="#">138</a>
<b>Dep ID:</b> 10193209							

## Executive Summary: Summary by Data Source

### Standard

#### Federal

##### NPL - National Priority List

A search of the NPL database, dated Dec 13, 2024 has found that there are 1 NPL site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">1</a>
<i>EPA ID: ILD048306138</i>				

##### SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Feb 26, 2025 has found that there are 2 SEMS site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	<a href="#">4</a>
<i>EPA ID: ILD048306138</i>				
ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177	NNE	0.09 / 487.73	<a href="#">11</a>
<i>EPA ID: ILD981960800</i>				

##### SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Feb 26, 2025 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.28 / 1,453.47	<a href="#">17</a>
<i>EPA ID: ILD097282750</i>				

##### CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 3 CERCLIS site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	<a href="#">4</a>
<i>Site EPA ID: ILD048306138</i>				



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">5</a>
<i>Site EPA ID: ILD981960800</i>				
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	<a href="#">16</a>
<i>Site EPA ID: ILD097282750</i>				

### **CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned**

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	<a href="#">16</a>
<i>Site EPA ID: ILD097282750</i>				

### **RCRA VSQG - RCRA Very Small Quantity Generators List**

A search of the RCRA VSQG database, dated Oct 21, 2024 has found that there are 2 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ECSC SOUTH ELGIN	RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177	SSE	0.22 / 1,175.41	<a href="#">14</a>
<i>EPA Handler ID   Recycler Activity?: ILR000022285   NO</i>				
HB BLACKTOP AND SONS INC	33 W 800 GILBERT ST SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>EPA Handler ID   Recycler Activity?: ILD984850933   NO</i>				

### **RCRA NON GEN - RCRA Non-Generators**

A search of the RCRA NON GEN database, dated Oct 21, 2024 has found that there are 2 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MGMT WEST	7 N 904 RT 25 ELGIN IL 60120	NE	0.00 / 0.00	<a href="#">4</a>
<i>EPA Handler ID   Recycler Activity?: ILR000000737   NO</i>				
ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120	ESE	0.00 / 0.00	<a href="#">6</a>
<i>EPA Handler ID   Recycler Activity?: ILR000106971   NO</i>				

### **FED ENG - Federal Engineering Controls-ECs**

A search of the FED ENG database, dated Jan 29, 2025 has found that there are 1 FED ENG site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	<a href="#">4</a>
<i>EPA ID: ILD048306138</i>				

### **FED INST - Federal Institutional Controls- ICs**

A search of the FED INST database, dated Jan 29, 2025 has found that there are 1 FED INST site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	<a href="#">4</a>
<i>EPA ID: ILD048306138</i>				

### **SUPERFUND ROD - Superfund Decision Documents**

A search of the SUPERFUND ROD database, dated Feb 26, 2025 has found that there are 1 SUPERFUND ROD site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 6017	NE	0.00 / 0.00	<a href="#">4</a>

### **State**

### **SWF/LF - Solid Waste Landfills Subject to State Surcharge Database**

A search of the SWF/LF database, dated Jun 24, 2024 has found that there are 3 SWF/LF site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Tri-County	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	<a href="#">2</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Elgin Landfill	7N904 Rte 25 South Elgin IL 60121	NE	0.00 / 0.00	<a href="#">4</a>
Woodland Rdf	7N500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	<a href="#">10</a>

### **NIPC - Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois**

A search of the NIPC database, dated Dec 1987 has found that there are 4 NIPC site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ELGIN LANDFILL	ST CHARLES TWP* IL	NE	0.00 / 0.00	<a href="#">4</a>
TRICOUNTY	ST CHARLES TWP* IL	E	0.05 / 243.13	<a href="#">9</a>
WOODLAND LANDFILL	ST CHARLES TWP* IL	WSW	0.05 / 269.33	<a href="#">10</a>
WOODLAND LANDFILL #2	ST CHARLES TWP* IL	WSW	0.05 / 269.33	<a href="#">10</a>

### **CCDD - Clean Construction or Demolition Debris**

A search of the CCDD database, dated Feb 27, 2025 has found that there are 1 CCDD site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
47 Acres Southwind Park CCDD	2250 Southwind Boulevard, Bartlett IL	NNE	0.45 / 2,383.92	<a href="#">19</a>

### **LUST - Leaking Underground Storage Tanks (LUST)**

A search of the LUST database, dated Nov 15, 2024 has found that there are 2 LUST site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West	7 North 904 Rt. 25 Elgin IL 60120	NE	0.00 / 0.00	<a href="#">4</a>
<i>Incident No   Incidents ID   NFR Date: 940421   16631  </i>				
Arc Disposal	7 North 540 Rt. 25 Elgin IL 60120	SE	0.01 / 46.37	<a href="#">8</a>
<i>Incident No   Incidents ID   NFR Date: 991256   23824   05/31/2007</i>				

### **LUST DOCUMENT - Leaking UST Document**

A search of the LUST DOCUMENT database, dated Dec 12, 2024 has found that there are 3 LUST DOCUMENT site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West- Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	<a href="#">4</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.01 / 46.37	<a href="#">8</a>
Woodland RDF - 170000617866	7n500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	<a href="#">10</a>

### **UST - Underground Storage Tank Database (UST)**

A search of the UST database, dated Oct 21, 2024 has found that there are 4 UST site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West	7 N 904 Rt 25 Elgin, IL 60120 Elgin IL	NE	0.00 / 0.00	<a href="#">4</a>
<i>Facility No / Facility Status: 2001049 / Closed</i>				
<i>Tank No / Status / Removed Date: 1 / Removed / 1/27/1995, 2 / Removed / 1/26/1995, 3 / Removed / 1/26/1995</i>				
ARC Disposal Co., Inc.	7 N 540 Rt 25 Elgin, IL 60120 Elgin IL	SE	0.01 / 46.37	<a href="#">8</a>
<i>Facility No / Facility Status: 2000516 / Closed</i>				
<i>Tank No / Status / Removed Date: 1 / Removed / 8/12/1999</i>				
Waste Management Of Illinois Inc	7 N 500 Route 25 South Elgin, IL 60177 South Elgin IL	WSW	0.05 / 269.33	<a href="#">10</a>
<i>Facility No / Facility Status: 2007470 / Closed</i>				
<i>Tank No / Status / Removed Date: 1 / Removed / 7/10/1992</i>				
H B Blacktop & Son Inc	33W800 Gilber St South Elgin, IL 60177 South Elgin IL	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Facility No / Facility Status: 2027898 / Closed</i>				
<i>Tank No / Status / Removed Date: 2 / Removed / 5/4/1998, 1 / Removed / 5/4/1998</i>				

### **AST - Aboveground Storage Tanks (AST)**

A search of the AST database, dated Nov 1, 2024 has found that there are 10 AST site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.01 / 46.37	<a href="#">8</a>
<i>Type / Tank: Tank - Above Ground Dis   TANK#1-500</i>				
J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.01 / 46.37	<a href="#">8</a>
<i>Type / Tank: Tank - Above Ground Disp   TANK#1-500</i>				
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	<a href="#">10</a>
<i>Type / Tank: Tank - Above Ground Bulk   TANK #1-1500</i>				
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	<a href="#">10</a>
<i>Type / Tank: Tank - Above Ground Bulk   TANK #3-750-</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	WSW	0.05 / 269.33	<a href="#">10</a>
<i>Type / Tank: Tank - Above Ground Bulk   TANK #2-1500-</i>				
FOX RIVER & COUNTRYSIDE FIRE/RESCUE	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Type / Tank: Tank - Above Ground Dispensing   TANK# 2-500</i>				
FOX RIVER & COUNTRYSIDE FIRE/RESCUE	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Type / Tank: Tank - Above Ground Dispensing   TANK# 3-500</i>				
H B Unlimited	33 West 802 GILBERT Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Type / Tank: Tank - Above Ground Dis   TANK#1-1,000</i>				
FOX RIVER & COUNTRYSIDE FIRE/RESCUE DIST.	33 West 802 Gilbert Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Type / Tank: Tank - Above Ground Dispensing   TANK#1-1000</i>				
H B Unlimited	33 West 802 GILBERT Street SOUTH ELGIN IL 60177	WSW	0.24 / 1,263.45	<a href="#">15</a>
<i>Type / Tank: Tank - Above Ground Dis   TANK#2-2,500</i>				

## **REM ASSESS - Document Explorer Remediation and Assessment Sites**

A search of the REM ASSESS database, dated Dec 12, 2024 has found that there are 1 REM ASSESS site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Mgmt of Il - Closed Landfill	Rte 25 South Elgin IL 60177	WNW	0.33 / 1,744.57	<a href="#">18</a>

## **Non Standard**

### **Federal**

## **FINDS/FRS - Facility Registry Service/Facility Index**

A search of the FINDS/FRS database, dated Aug 1, 2024 has found that there are 6 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">3</a>
<i>Registry ID: 110009282971</i>				
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NE	0.00 / 0.00	<a href="#">4</a>
<i>Registry ID: 110071101749</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MANAGEMENT WEST-ELGIN/WAYNE	7 N 904 ROUTE 25 ELGIN IL 60120  <i>Registry ID: 110001358780</i>	NE	0.00 / 0.00	<a href="#">4</a>
WASTE MANAGEMENT OF ILLINOIS	7N904 RTE 25 ELGIN IL 60120  <i>Registry ID: 110018221315</i>	NE	0.00 / 0.00	<a href="#">4</a>
PINGEL, BARBARA-ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120  <i>Registry ID: 110007906891</i>	ESE	0.00 / 0.00	<a href="#">6</a>
ARC DISPOSAL	7N540 RTE 25 ELGIN IL 60120  <i>Registry ID: 110018446653</i>	SE	0.01 / 46.37	<a href="#">8</a>

### **PFAS IND - PFAS Industry Sectors**

A search of the PFAS IND database, dated Dec 16, 2024 has found that there are 2 PFAS IND site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	WSW	0.05 / 269.33	<a href="#">10</a>
WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	W	0.12 / 620.32	<a href="#">12</a>

### **ICIS - Integrated Compliance Information System (ICIS)**

A search of the ICIS database, dated Apr 13, 2024 has found that there are 2 ICIS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	<a href="#">3</a>
TRI-COUNTY LANDFILL COMPANY	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	<a href="#">3</a>

### **MINES - Mines Master Index File**

A search of the MINES database, dated Feb 5, 2024 has found that there are 1 MINES site(s) within approximately 0.25miles of the project property.



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BLUFF CITY MATERIALS, INC.	S. Elgin IL	NE	0.15 / 789.13	<a href="#">13</a>
<i>Mine ID: 1102962</i>				

### **MRDS - Mineral Resource Data System**

A search of the MRDS database, dated Mar 15, 2016 has found that there are 1 MRDS site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOUTH ELGIN PLANT & PIT	KANE COUNTY SOUTH ELGIN IL 60177	NW	0.99 / 5,212.42	<a href="#">20</a>
<i>Dep ID: 10193209</i>				

### **AFS - Air Facility System**

A search of the AFS database, dated Oct 17, 2014 has found that there are 1 AFS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MANAGEMENT WEST- ELGIN/WAYNE	7 N 904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	<a href="#">4</a>

### **State**

### **SPILLS - Spills and Incidents**

A search of the SPILLS database, dated Dec 10, 2024 has found that there are 2 SPILLS site(s) within approximately 0.12miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MANAGEMENT WEST	7N904 ROUTE 25 ELGIN IL	NE	0.00 / 0.00	<a href="#">4</a>
<i>Incident No: 940421</i>				
ARC DISPOSAL	7N540 ROUTE 25 ELGIN IL	SE	0.01 / 46.37	<a href="#">8</a>
<i>Incident No: 991256</i>				

### **IEPA DOCS - IEPA Document Explorer**

A search of the IEPA DOCS database, dated Dec 12, 2024 has found that there are 2 IEPA DOCS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West- Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	<a href="#">4</a>
Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.01 / 46.37	<a href="#">8</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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## **TIER 2 - Tier 2 Report**

A search of the TIER 2 database, dated May 10, 2023 has found that there are 2 TIER 2 site(s) within approximately 0.12miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
South Elgin	7N.749 Route 25 Elgin IL 60120	ENE	0.00 / 0.00	<a href="#">7</a>
Woodland Recycling & Disposal Facility	7N 500 Route 25 South Elgin IL 60177	WSW	0.05 / 269.33	<a href="#">10</a>

## **AIR PERMITS - Air Permits**

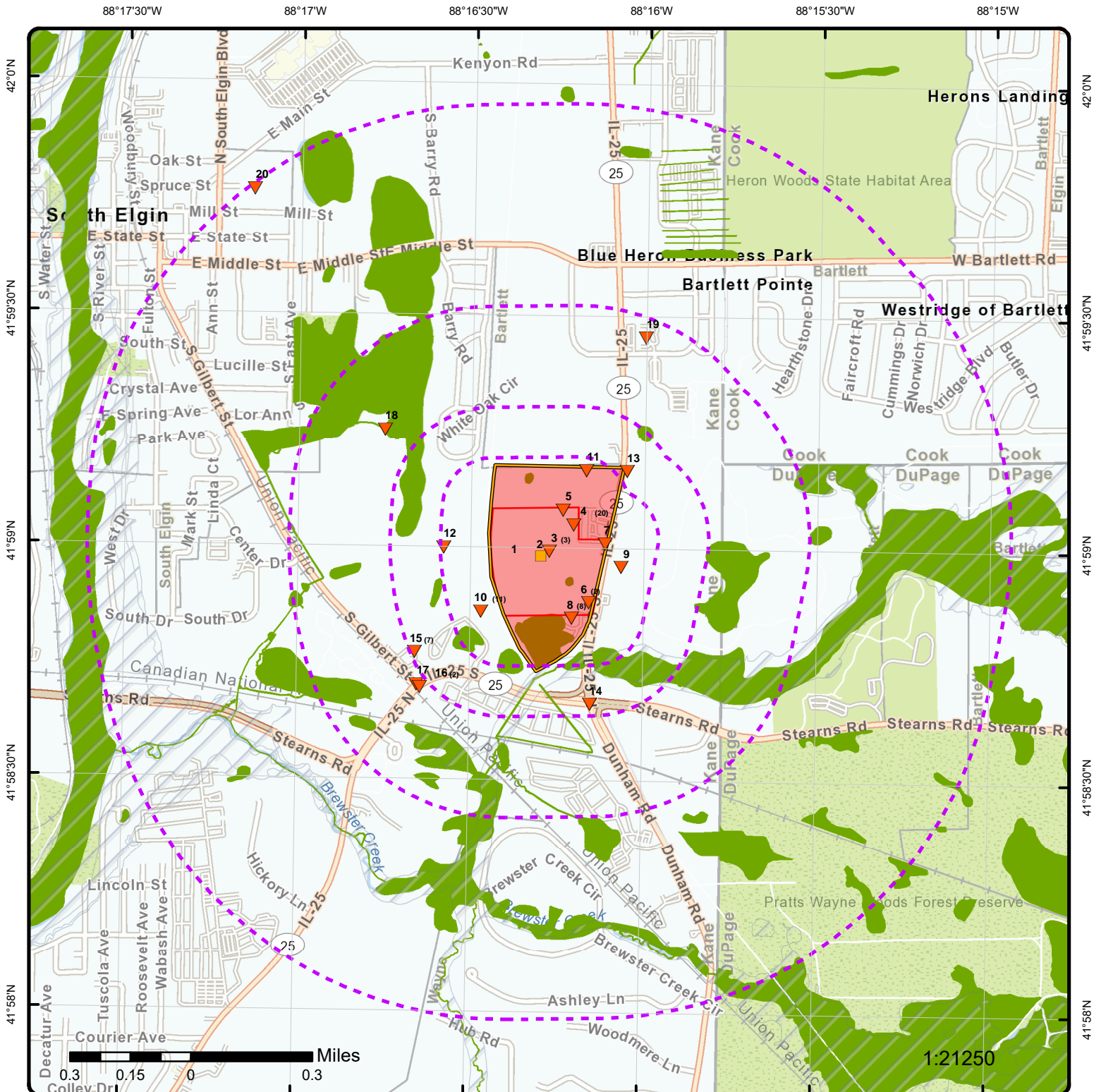
A search of the AIR PERMITS database, dated Dec 12, 2024 has found that there are 2 AIR PERMITS site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.00 / 0.00	<a href="#">4</a>
Woodland Rdf	7n500 Rte 25 South Elgin IL 60177	WSW	0.05 / 269.33	<a href="#">10</a>

## **UIC - Underground Injection Control Wells**

A search of the UIC database, dated Aug 1, 2019 has found that there are 2 UIC site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MANAGEMENT WEST - ELGIN	7 N 904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	<a href="#">4</a>
WASTE MANAGEMENT - ELGIN HAULING	7N904 ROUTE 25 ELGIN IL 60120	NE	0.00 / 0.00	<a href="#">4</a>



## Map: 1.0 Mile Radius

Order Number: 25032400768

Address: 7N904 Illinois 25, Elgin, IL



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

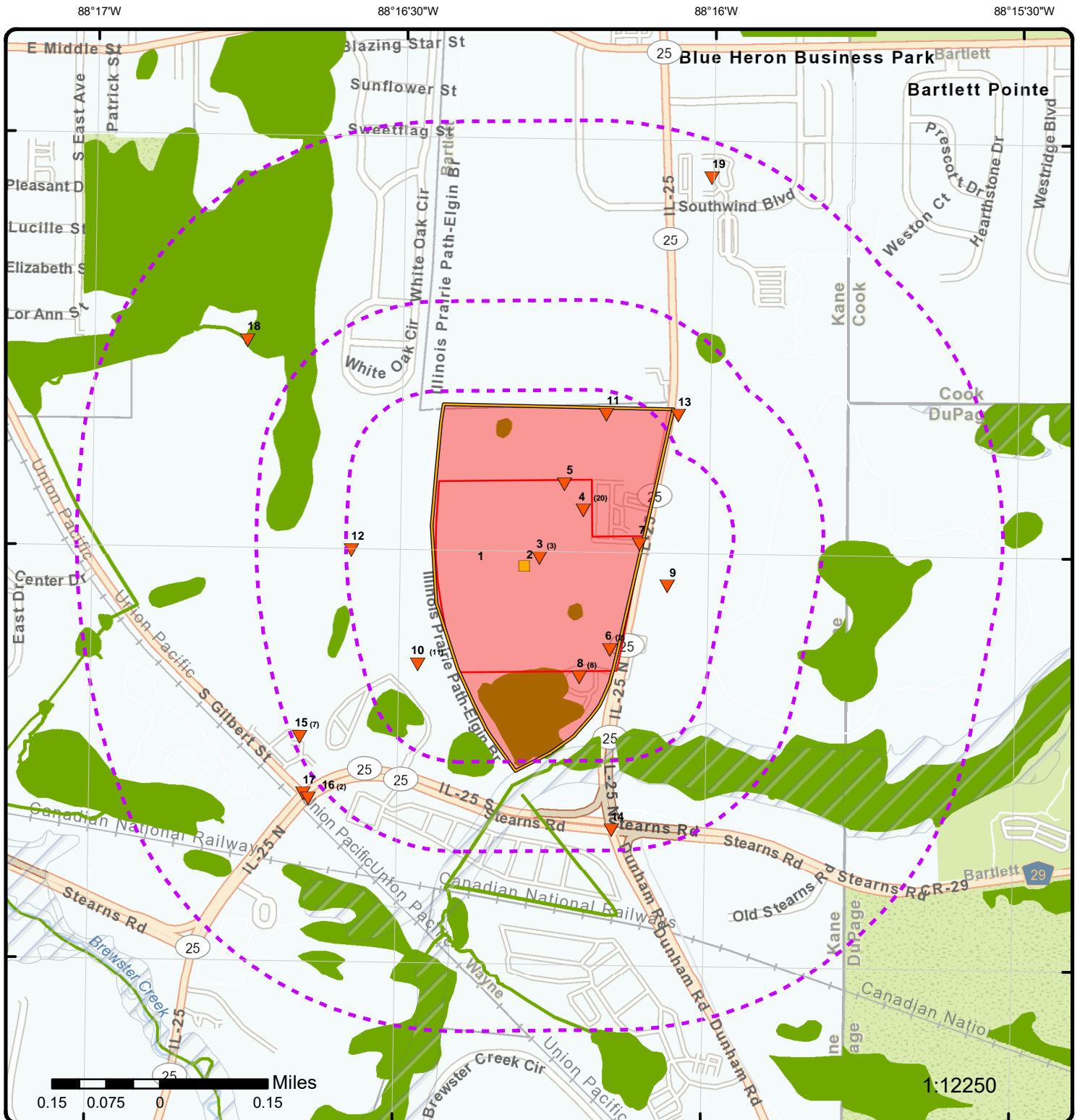
Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



## Map: 0.5 Mile Radius

Order Number: 25032400768

Address: 7N904 Illinois 25, Elgin, IL



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

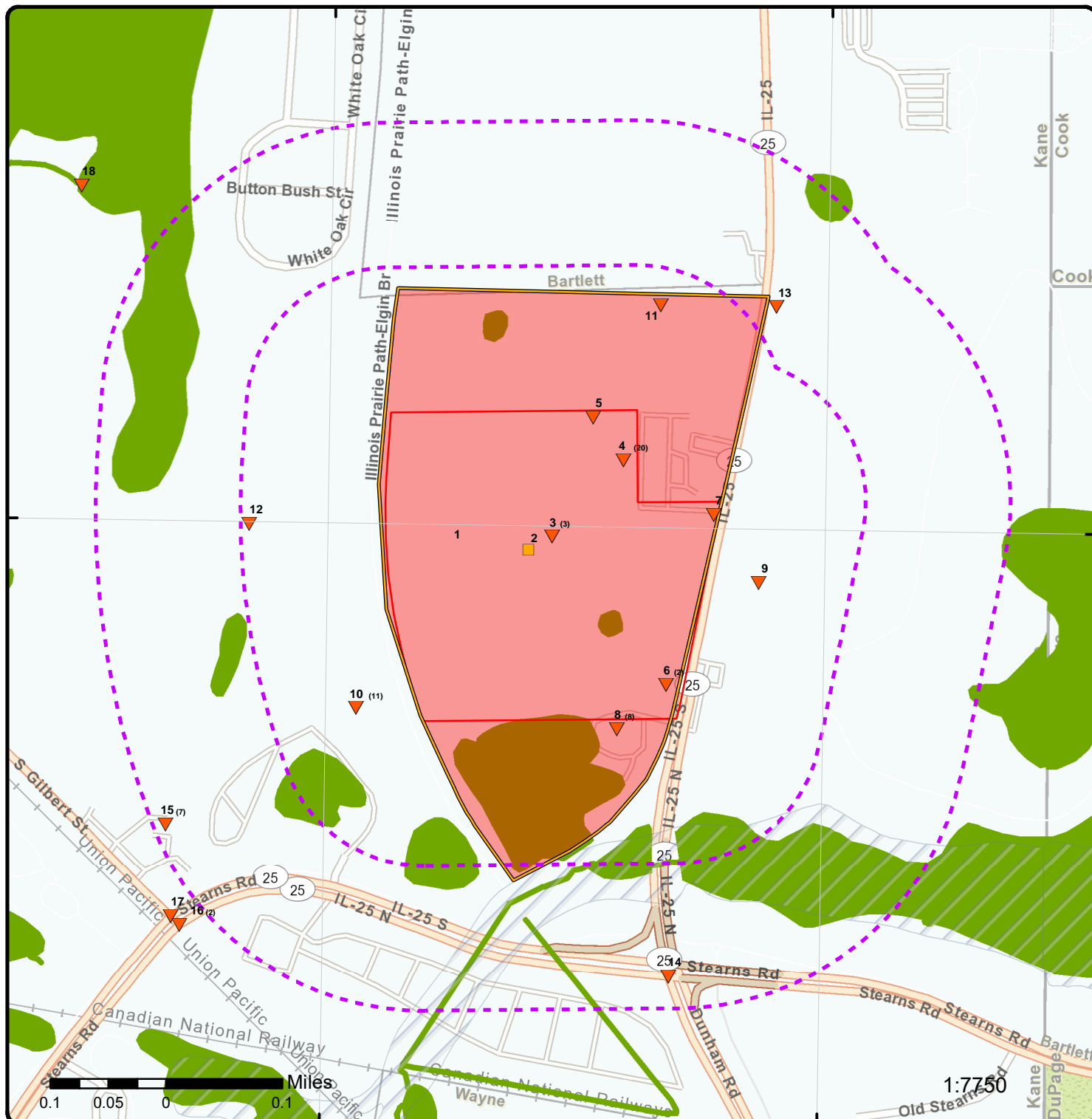
Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



## Map: 0.25 Mile Radius

Order Number: 25032400768

Address: 7N904 Illinois 25, Elgin, IL



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)





**Aerial** Year: 2024

Address: 7N904 Illinois 25, Elgin, IL

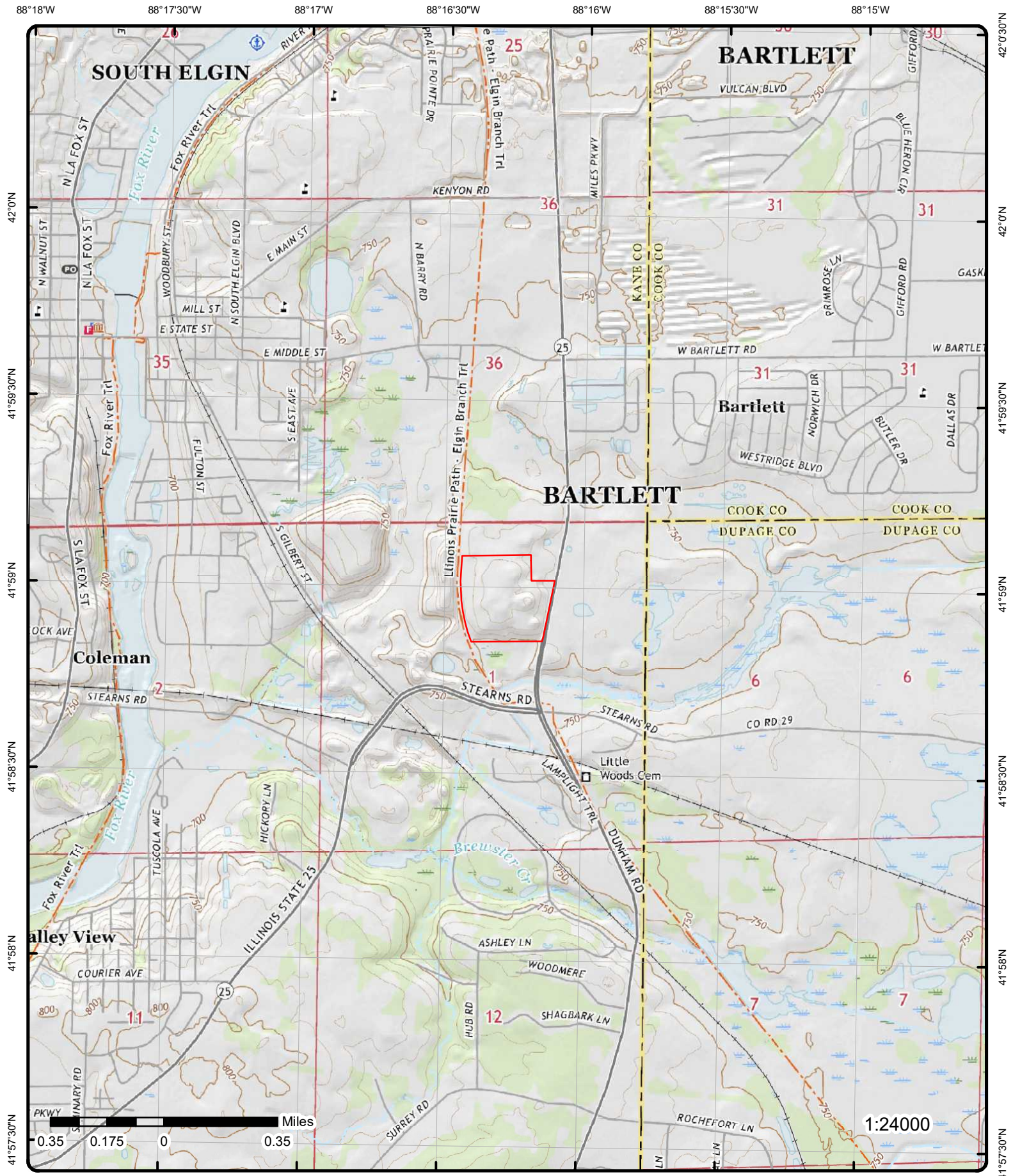
Source: ESRI World Imagery

Order Number: 25032400768



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# Topographic Map

Year: 2021

Order Number: 25032400768

Address: 7N904 Illinois 25, IL



Quadrangle(s): Streamwood IL, West Chicago IL, Elgin IL, Geneva IL

© ERIS Information Inc.

Source: USGS Topographic Map

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 1	NNE	0.00 / 0.00	787.77 / 0	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NPL

**EPA ID:** ILD048306138  
**Data Source:** U.S. EPA Superfund Program. Source: SEMS Superfund Public User Database. FOIA4 All Final NPL Sites. (as of 20 Nov 2024); U.S. EPA Site Boundaries Shapefile Download; Superfund NPR Sites with Status Information (as of 13 Dec 2024)

### NPL (FOIA-004 All Final NPL Sites)

<b>NPL Status Dt:</b>	03/31/89	<b>Region:</b>	05
<b>Federal Facility:</b>	No	<b>County:</b>	KANE
<b>SAA (Superfund Alt):</b>		<b>Latitude:</b>	+41.983200
<b>NAI:</b>	No	<b>Longitude:</b>	-088.271200
<b>NA Entity (NAI Status):</b>			
<b>Site Name:</b>	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.		
<b>Address:</b>	7N 904 ILLINOIS ROUTE 25		
<b>City:</b>	ELGIN		
<b>Zip:</b>	60177		
<b>State:</b>	IL		

### NPL (Superfund Sites List)

<b>SEMS ID:</b>	500340	<b>Partial Deletion:</b>	No
<b>SITS ID:</b>	523	<b>Constr Complete No:</b>	805
<b>Site Score:</b>	42.76	<b>Constr Complete Dt:</b>	11/1/2001
<b>Status:</b>	NPL Site	<b>Region:</b>	5
<b>Proposed Date:</b>	6/10/1986	<b>State:</b>	Illinois
<b>Listing Date:</b>	3/31/1989	<b>County:</b>	Kane
<b>NOID Date:</b>		<b>Latitude:</b>	41.9832
<b>Deletion Date:</b>		<b>Longitude:</b>	-88.2712
<b>Site Name:</b>	Tri-County Landfill Co./Waste Management of Illinois, Inc.		
<b>City:</b>	South Elgin		
<b>Site Listing Narrative:</b>	<a href="https://semspub.epa.gov/src/document/05/633477" target="_blank">ILD048306138 (PDF)</a>		
<b>Site Progress Profile:</b>	<a href="https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0500340" target="_blank">Tri-County Landfill Co./Waste Management of Illinois, Inc.</a>		
<b>Proposed Fr Notice:</b>	<a href="https://semspub.epa.gov/src/document/11/189644" target="_blank">06/10/1986 (PDF)</a>		
<b>Final Fr Notice:</b>	<a href="https://semspub.epa.gov/src/document/11/189631" target="_blank">03/31/1989 (PDF)</a>		
<b>NOID Fr Notice:</b>			
<b>Deletion Fr Notice:</b>			
<b>Restoration Fr Notice:</b>			
<b>Notice of Data Availability:</b>			

### NPL (EPA Boundaries)

<b>EPA Program:</b>	Superfund Remedial	<b>GIS Area:</b>	79.07851822
<b>Npl Status Code:</b>	F	<b>Gis Area Units:</b>	Acres
<b>Federal Facility Deter Code:</b>	No	<b>Primary Telephone No:</b>	(312) 886-0800
<b>Region Code:</b>	5		
<b>County:</b>	KANE		
<b>Site Contact Name:</b>	John Fagiolo		
<b>Site Contact Email:</b>	fagiolo.john@epa.gov		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Feature Info Url:</b> https://semspub.epa.gov/work/05/949590.pdf <b>Feature Info Url Desc:</b> US EPA Sept. 11, 2019 Five Year Review <b>Site Feature Class:</b> 5 <b>Site Feature Type:</b> Comprehensive Site Area <b>Site Feature Name:</b> TCLC/WMII Tri-County Landfill Boundary <b>Site Feature Description:</b> The 66 acre Tri-County/Elgin Landfills Site consists of two Operable Units and encompasses both the Tri-County and Elgin Landfills. The Site is located at 7N 500 Illinois Route 25 in Kane County, Illinois. The Tri-County Landfill portion is designated as OU 2, with OU 3 as the Elgin Landfill portion of the Site. Both landfills operated from 1961 to 1976 as solid waste disposal facilities interspersed with some improper waste disposal. Land surrounding the Site to the north and to the east is used predominantly as a nature preserve. Most residential properties in the vicinity of the site are located in the Village of South Elgin, approximately 2/3 of a mile west of the Site.  <b>Projection:</b> <b>Sf Geospatial Data Disclaimer:</b> The Agency is providing this geospatial information as a public service and does not vouch for the accuracy, completeness, or currency of data. Data provided by external parties is not independently verified by EPA. This data is made available to the public strictly for informational purposes. Data does not represent EPA's official position, viewpoint, or opinion, express or implied. This information is not intended for use in establishing liability or calculating Cost Recovery Statutes of Limitations and cannot be relied upon to create any rights, substantive or procedural, enforceable by any party in litigation with the United States or third parties. EPA reserves the right to change these data at any time without public notice.  <b>Addr Comment:</b> Route 25 bounds the east and southeast sides of the Site, along which are located several commercial businesses. The property adjacent to the north boundary of the Elgin Landfill is controlled under the jurisdiction of the Illinois Department of Natural Resources (IDNR), as is the property immediately east of the Site on the other side of Route 25. The WMIL Woodland Recycling Disposal Facility (RDF) occupies the land west of the Site and contains a former sanitary landfill.  <b>URL Alias Txt:</b> https://www.epa.gov/superfund/tri-county-waste-mgmt						

<a href="#">2</a>	1 of 1	NW	0.00 / 0.00	787.36 / 0	Tri-County Rte 25 South Elgin IL 60177	SWF/LF
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**Site ID:** 0890800001  
**Data Source:** Landfill Unknown Status

**Bureau of Land Landfill Unknown Status**

<b>Site Name:</b>	Tri-County	<b>Latitude:</b>	41.98303
<b>Street Address:</b>	Rte 25	<b>Longitude:</b>	-88.271599
<b>City:</b>	South Elgin	<b>X:</b>	-88.27159900000453
<b>Zipcode:</b>	60177	<b>Y:</b>	41.98302999977094
<b>County:</b>	Kane		

<a href="#">3</a>	1 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. ROUTE 25 SOUTH ELGIN IL 60177	FINDS/FRS
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**Registry ID:** 110009282971  
**FIPS Code:** 17089  
**HUC Code:** 07120007  
**Site Type Name:** CONTAMINATED SITE  
**Location Description:**  
**Supplemental Location:** RTE 25  
**Create Date:** 01-MAR-00  
**Update Date:** 26-FEB-16  
**Interest Types:** FORMAL ENFORCEMENT ACTION  
**SIC Codes:** 3219, 3323  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:** ICIS  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:** 14

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Census Block Code:</b>		170898520012001				
<b>EPA Region Code:</b>		05				
<b>County Name:</b>		KANE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		41.9832				
<b>Longitude:</b>		-88.2712				
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>		80				
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009282971				
<b>Data Source:</b>		Facility Registry Service - Single File				
<b>Program Acronyms:</b>						

<a href="#"><u>3</u></a>	2 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL COMPANY ROUTE 25 SOUTH ELGIN IL 60177	ICIS
<b>EPA Region:</b>		05		<b>Federal Fac ID:</b>		
<b>Registry ID:</b>		110009282971		<b>Tribal Land Code:</b>		
<b>Pgm Sys ID:</b>		ILD048306138		<b>County:</b>		Kane
<b>Pgm Sys Acnrm:</b>		CERCLIS		<b>Latitude 83:</b>		41.9832
<b>Permit Type:</b>				<b>Longitude 83:</b>		-88.2712

<a href="#"><u>3</u></a>	3 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. ROUTE 25 SOUTH ELGIN IL 60177	ICIS
<b>EPA Region:</b>		05		<b>Federal Fac ID:</b>		
<b>Registry ID:</b>		110009282971		<b>Tribal Land Code:</b>		
<b>Pgm Sys ID:</b>		26481		<b>County:</b>		KANE
<b>Pgm Sys Acnrm:</b>		ICIS		<b>Latitude 83:</b>		41.9832000000000004
<b>Permit Type:</b>				<b>Longitude 83:</b>		-88.271200000000001

#### Details

<b>Interest Type:</b>	FORMAL ENFORCEMENT ACTION	<b>Public Ind:</b>	Yes
<b>Active Status:</b>		<b>FIPS Code:</b>	17089
<b>Accuracy Value:</b>	80	<b>HUC 8 Code:</b>	07120007
<b>Pgm Report URL:</b>	no data yet	<b>HUC 12:</b>	
<b>Federal Agency Name:</b>			
<b>Federal Land Ind:</b>			
<b>Fed Facility Code:</b>	No		
<b>Ref Point Desc:</b>			
<b>Collect Mth Desc:</b>			
<b>Fac URL:</b>	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009282971">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009282971</a>		
<b>Program URL:</b>			

<a href="#">4</a>	1 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	CERCLIS
Site ID:		0500340		RNPL Status Code:		F
Site EPA ID:		ILD048306138		NPL Status:		Currently on the Final NPL
Site Street Address 2:				RFED Facility Code:		N
Site County Name:		KANE		RFED Facility Desc:		Not a Federal Facility
Site FIPS Code:		17089		USGS Hydro Unit No.:		07120006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Region Code:	05				Site Cong. Dist. Code:	14
Site SMSA No.:	1600				ROT Desc:	Private
Site Prim. Latitude:	+41.983200				FR NPL Update No.:	9
Site Prim. Longitude:	-088.271200				RFRA Code:	F
Lat Long Source:	EPA HQ					
RNON NPL Status Desc:						

#### CERCLIS Site Contact Name(s)

Person ID: 5271043.00  
 First Name: DON  
 Last Name: DE BLASIO  
 Phone No.: 3128864360  
 Email:

#### CERCLIS Site Contact Name(s)

Person ID: 5000104.00  
 First Name: JOHN  
 Last Name: FAGIOLO  
 Phone No.: 3128860800  
 Email: fagiolo.john@epa.gov

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	HR	Act Complete Date:	6/11/1985 00:00:00
RAT Short Name:	HAZRANK	AGT Order No.:	190
RAT Name:	HAZARD RANKING SYSTEM PACKAGE	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:			

A numeric estimate of the relative severity of a hazardous substance release or potential release based on: (1) the relative potential of substances to cause hazardous situations; (2) the likelihood and rate at which the substances may affect human and environmental receptors; and (3) the severity and magnitude of potential effects. The score is computed using the hazard ranking system (HRS).

Site Desc:  
 Site Alias:

#### CERCLIS Assess History

OU ID:	01	RALT Short Name:	State (Fund)
Act Code ID:	001	Act Start Date:	3/31/1988 00:00:00
RAT Code:	MA	Act Complete Date:	9/30/2004 00:00:00
RAT Short Name:	ST COOP	AGT Order No.:	300
RAT Name:	STATE SUPPORT AGENCY COOPERATIVE AGREEMENT	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	09		
RAT Def:			

Federal remuneration of state administrative costs of participation in site-specific remedial planning or implementation activities.

Site Desc:  
 Site Alias:

#### CERCLIS Assess History



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>OU ID:</b>	03	<b>RALT Short Name:</b>	PRP Rsp Fed
<b>Act Code ID:</b>	002	<b>Act Start Date:</b>	4/19/2001 00:00:00
<b>RAT Code:</b>	BF	<b>Act Complete Date:</b>	8/28/2002 00:00:00
<b>RAT Short Name:</b>	PRP RA	<b>AGT Order No.:</b>	880
<b>RAT Name:</b>	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	Provides for oversight of Potentially Responsible Party (PRP) response action for Remedial Action (RA), including all activities for monitoring and supervising the performance of the responsible parties to determine whether such performance is consistent with the requirements of the administrative orders on consent, unilateral administrative orders, consent decrees, judicial decrees, information agreements, and compliance schedules.		

**Site Desc:**  
**Site Alias:**

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	9/4/1990 00:00:00
<b>RAT Code:</b>	RS	<b>Act Complete Date:</b>	9/21/1990 00:00:00
<b>RAT Short Name:</b>	RV ASSESS	<b>AGT Order No.:</b>	30
<b>RAT Name:</b>	REMOVAL ASSESSMENT	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	V	<b>SH Lead:</b>	
<b>SPA Code:</b>	08		
<b>RAT Def:</b>	Collecting site characteristics to determine whether or not a removal must be performed.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	PRP Rsp Fed
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	3/30/2004 00:00:00
<b>RAT Code:</b>	FE	<b>Act Complete Date:</b>	9/23/2004 00:00:00
<b>RAT Short Name:</b>	5 YEAR	<b>AGT Order No.:</b>	1010
<b>RAT Name:</b>	FIVE-YEAR REVIEW	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	A	<b>SH Lead:</b>	
<b>SPA Code:</b>	09		
<b>RAT Def:</b>	A review that is conducted at a minimum of every five years to determine if the implementation and performance of a remedy is protective or will be protective of human health and the environment.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	01	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	RO	<b>Act Complete Date:</b>	9/30/1992 00:00:00
<b>RAT Short Name:</b>	ROD	<b>AGT Order No.:</b>	610
<b>RAT Name:</b>	RECORD OF DECISION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>RFBS Code:</b>		<b>SH Lead:</b>				
<b>SPA Code:</b>	13					
<b>RAT Def:</b>		The final Record of Decision (ROD) is signed by the appropriate agency indicating that the agency has chosen the remedy for site remediation. ROD signature is signified by the complete date.				
<b>Site Desc:</b>						
<b>Site Alias:</b>						

#### CERCLIS Assess History

<b>OU ID:</b>	02	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	ED	<b>Act Complete Date:</b>	7/24/1992 00:00:00
<b>RAT Short Name:</b>	R/H ASMT	<b>AGT Order No.:</b>	540
<b>RAT Name:</b>	RISK/HEALTH ASSESSMENT	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	09		
<b>RAT Def:</b>		Assessment of the baseline risks posed by the site to human health.	
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	02	<b>RALT Short Name:</b>	PRP Rsp Fed
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	6/14/1999 00:00:00
<b>RAT Code:</b>	BF	<b>Act Complete Date:</b>	9/30/2000 00:00:00
<b>RAT Short Name:</b>	PRP RA	<b>AGT Order No.:</b>	880
<b>RAT Name:</b>	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>		Provides for oversight of Potentially Responsible Party (PRP) response action for Remedial Action (RA), including all activities for monitoring and supervising the performance of the responsible parties to determine whether such performance is consistent with the requirements of the administrative orders on consent, unilateral administrative orders, consent decrees, judicial decrees, information agreements, and compliance schedules.	
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	SI	<b>Act Complete Date:</b>	10/1/1984 00:00:00
<b>RAT Short Name:</b>	SI	<b>AGT Order No.:</b>	160
<b>RAT Name:</b>	SITE INSPECTION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>		The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.	
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>OU ID:</b>	00				<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001				<b>Act Start Date:</b>	4/22/1988 00:00:00
<b>RAT Code:</b>	CR				<b>Act Complete Date:</b>	9/30/1992 00:00:00
<b>RAT Short Name:</b>	CI				<b>AGT Order No.:</b>	490
<b>RAT Name:</b>	COMMUNITY INVOLVEMENT				<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>					<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B				<b>SH Seq:</b>	
<b>RAT Level:</b>	1				<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00				<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P				<b>SH Lead:</b>	
<b>SPA Code:</b>	13					
<b>RAT Def:</b>	The community relations activities, i.e., plan, implementation and responsiveness summary that must be completed at a site to address community concerns.					
<b>Site Desc:</b>						
<b>Site Alias:</b>						

#### CERCLIS Assess History

<b>OU ID:</b>	00				<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	002				<b>Act Start Date:</b>	7/31/1991 00:00:00
<b>RAT Code:</b>	RS				<b>Act Complete Date:</b>	4/27/1992 00:00:00
<b>RAT Short Name:</b>	RV ASSESS				<b>AGT Order No.:</b>	30
<b>RAT Name:</b>	REMOVAL ASSESSMENT				<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>					<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B				<b>SH Seq:</b>	
<b>RAT Level:</b>	1				<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00				<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	V				<b>SH Lead:</b>	
<b>SPA Code:</b>	08					
<b>RAT Def:</b>	Collecting site characteristics to determine whether or not a removal must be performed.					
<b>Site Desc:</b>						
<b>Site Alias:</b>						

#### CERCLIS Assess History

<b>OU ID:</b>	00				<b>RALT Short Name:</b>	
<b>Act Code ID:</b>					<b>Act Start Date:</b>	
<b>RAT Code:</b>					<b>Act Complete Date:</b>	
<b>RAT Short Name:</b>					<b>AGT Order No.:</b>	0
<b>RAT Name:</b>					<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>					<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>					<b>SH Seq:</b>	
<b>RAT Level:</b>					<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>					<b>SH Complete Date:</b>	
<b>RFBS Code:</b>					<b>SH Lead:</b>	
<b>SPA Code:</b>						
<b>RAT Def:</b>						
<b>Site Desc:</b>	The Tri-County Landfill/Elgin Superfund Site (TCL) encompasses both the Tri-County and Elgin Landfills. The site is located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage counties. The Tri-Count **NOTE: Data in [Site Desc] field for some recods is truncated from the source.					
<b>Site Alias:</b>	ELGIN LDFL,,SOUTH ELGIN,IL,;TRI COUNTY LDFL WASTE MGMT OF IL,,,,;TRI COUNTY LDFL WASTE MGMT OF IL,,KANE,IL,;TRI COUNTY LDFL,RTE 25 & DUNHAM RD,SOUTH ELGIN,IL,60120;TRI COUNTY LDFL,RTE 25 & W BARTLETT RD,SOUTH ELGIN,IL,60120;TRI-COUNTY LANDFILL CO./WASTE M					

#### CERCLIS Assess History

<b>OU ID:</b>	00				<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001				<b>Act Start Date:</b>	7/24/1992 00:00:00
<b>RAT Code:</b>	AR				<b>Act Complete Date:</b>	
<b>RAT Short Name:</b>	ADMM REC				<b>AGT Order No.:</b>	580
<b>RAT Name:</b>	ADMINISTRATIVE RECORDS				<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>					<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B				<b>SH Seq:</b>	
<b>RAT Level:</b>	1				<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00				<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P				<b>SH Lead:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SPA Code:	13					
RAT Def:		SARA specifies that administrative records be compiled at Superfund sites where remedial or removal responses are planned, or are occurring, or where EPA is issuing a unilateral order or initiating litigation to track enforcement case budget funds used for any RP lead activity.				
Site Desc:						
Site Alias:						

#### CERCLIS Assess History

OU ID:	01	RALT Short Name:	PRP Rsp Fed
Act Code ID:	001	Act Start Date:	2/2/1994 00:00:00
RAT Code:	BE	Act Complete Date:	9/30/1997 00:00:00
RAT Short Name:	PRP RD	AGT Order No.:	800
RAT Name:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:	Provides for oversight of Potentially Responsible Party (PRP) response action for Remedial Design (RD), including all activities for monitoring and supervising the performance of the responsible parties to determine whether such performance is consistent with the requirements of the administrative orders on consent, unilateral administrative orders, consent decrees, judicial decrees, information agreements, and compliance schedules.		
Site Desc:			
Site Alias:			

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	State (Fund)
Act Code ID:	001	Act Start Date:	
RAT Code:	PA	Act Complete Date:	2/1/1983 00:00:00
RAT Short Name:	PA	AGT Order No.:	130
RAT Name:	PRELIMINARY ASSESSMENT	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
Site Desc:			
Site Alias:			

#### CERCLIS Assess History

OU ID:	01	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	4/22/1988 00:00:00
RAT Code:	CO	Act Complete Date:	9/30/1992 00:00:00
RAT Short Name:	RI/FS	AGT Order No.:	430
RAT Name:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:	The process of data collection and analyses of the site problem, identification of preliminary remedial alternatives, and recommendation of a cost-effective remedy. There can be multiple Remedial Investigation/Feasibility Studies (RI/FS) conducted at a site.		
Site Desc:			
Site Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### CERCLIS Assess History

<b>OU ID:</b>	03	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	1/4/2000 00:00:00
<b>RAT Code:</b>	RD	<b>Act Complete Date:</b>	4/26/2000 00:00:00
<b>RAT Short Name:</b>	RD	<b>AGT Order No.:</b>	790
<b>RAT Name:</b>	REMEDIAL DESIGN	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The process of fully detailing and specifying the selected remedy identified in the ROD or EDD.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	03	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	CM	<b>Act Complete Date:</b>	11/1/2001 00:00:00
<b>RAT Short Name:</b>	PCOR	<b>AGT Order No.:</b>	895
<b>RAT Name:</b>	PRELIMINARY CLOSE-OUT REPORT PREPARED	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	O	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	09		
<b>RAT Def:</b>	A report prepared by the Remedial Program Manager (RPM) verifying that physical construction of the remedy is complete, indicating minor punch list items that remain and outlining a schedule of the outstanding activities.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	DS	<b>Act Complete Date:</b>	4/1/1979 00:00:00
<b>RAT Short Name:</b>	DISCVRY	<b>AGT Order No.:</b>	10
<b>RAT Name:</b>	DISCOVERY	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	NF	<b>Act Complete Date:</b>	3/31/1989 00:00:00
<b>RAT Short Name:</b>	NPL FINL	<b>AGT Order No.:</b>	202
<b>RAT Name:</b>	FINAL LISTING ON NATIONAL PRIORITIES LIST	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RAT Level:	1				SH Start Date:	
RAT DEF OU:	00				SH Complete Date:	
RFBS Code:	P				SH Lead:	
SPA Code:	13					
RAT Def:		Site moved from proposed list to final National Priority List.				
Site Desc:						
Site Alias:						

#### CERCLIS Assess History

OU ID:	01	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	JF	Act Complete Date:	7/24/1992 00:00:00
RAT Short Name:	ECO RISK	AGT Order No.:	542
RAT Name:	ECOLOGICAL RISK ASSESSMENT	SH OU:	
RAT Hist. Only Flag:	T	SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	09		
RAT Def:		Assessment of the baseline risks posed by the site to ecological receptors.	
Site Desc:			
Site Alias:			

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	NP	Act Complete Date:	6/10/1986 00:00:00
RAT Short Name:	PROPOSED	AGT Order No.:	200
RAT Name:	PROPOSAL TO NATIONAL PRIORITIES LIST	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:		Site proposed for inclusion on the National Priority List based on the Hazard Ranking System (HRS) score for the site.	
Site Desc:			
Site Alias:			

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	AS	Act Complete Date:	9/30/2004 00:00:00
RAT Short Name:	AIR SRVY	AGT Order No.:	206
RAT Name:	AERIAL SURVEY	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:	P	SH Lead:	
SPA Code:	13		
RAT Def:		Provide aerial photography, MultiSpectral Scanner (MSS), Forward Looking InfraRed (FLIR), and historical aerial photographs with analyses support for Regional offices and OERR requirements for pre-remedial and remedial actions. The aerial survey support provides four types of remote sensing projects: (1) emergency response projects for rapid acquisition and assessment, (2) single date projects to acquire current data, (3) intensive site analyses to acquire imagery over a period of time using historical aerial photographs dating back as far as 1920, (4) waste site inventories to establish baseline reference over large areas. CERCLA hazardous waste sites.	
Site Desc:			
Site Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**CERCLIS Assess History**

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	002	<b>Act Start Date:</b>	1/5/2009 00:00:00
<b>RAT Code:</b>	FE	<b>Act Complete Date:</b>	9/3/2009 00:00:00
<b>RAT Short Name:</b>	5 YEAR	<b>AGT Order No.:</b>	1010
<b>RAT Name:</b>	FIVE-YEAR REVIEW	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	A	<b>SH Lead:</b>	
<b>SPA Code:</b>	09		
<b>RAT Def:</b>	A review that is conducted at a minimum of every five years to determine if the implementation and performance of a remedy is protective or will be protective of human health and the environment.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

<u>4</u>	2 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	FED ENG
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<b>EPA ID:</b>	ILD048306138
<b>Region Code:</b>	05
<b>County:</b>	KANE
<b>Latitude:</b>	+41.983200
<b>Longitude:</b>	-088.271200

**Control Details**

<b>Actual Completion Date:</b>	9/30/1992 4:00:00 AM
<b>Fiscal Year:</b>	1992
<b>NPL Status:</b>	Currently on the Final NPL
<b>Action Type:</b>	Record of Decision
<b>Remedy Component:</b>	Cap (engineered cap)
<b>Media:</b>	Soil
<b>Federal Facility:</b>	No
<b>Superfund Alt. Agreement:</b>	No
<b>Operable Unit No:</b>	01
<b>Sequence ID:</b>	1

<b>Actual Completion Date:</b>	9/30/1992 4:00:00 AM
<b>Fiscal Year:</b>	1992
<b>NPL Status:</b>	Currently on the Final NPL
<b>Action Type:</b>	Record of Decision
<b>Remedy Component:</b>	Excavation
<b>Media:</b>	Sediment
<b>Federal Facility:</b>	No
<b>Superfund Alt. Agreement:</b>	No
<b>Operable Unit No:</b>	01
<b>Sequence ID:</b>	1

<b>Actual Completion Date:</b>	9/30/1992 4:00:00 AM
<b>Fiscal Year:</b>	1992
<b>NPL Status:</b>	Currently on the Final NPL
<b>Action Type:</b>	Record of Decision
<b>Remedy Component:</b>	Monitoring
<b>Media:</b>	Groundwater
<b>Federal Facility:</b>	No
<b>Superfund Alt. Agreement:</b>	No
<b>Operable Unit No:</b>	01
<b>Sequence ID:</b>	1

<b>Actual Completion Date:</b>	9/30/1992 4:00:00 AM
<b>Fiscal Year:</b>	1992

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Consolidate (onsite)				
<b>Media:</b>		Sediment				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Discharge (surface water/NPDES discharge)				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Flame Flare (enclosed, open, other, not otherwise specified)				
<b>Media:</b>		Landfill Gas				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		7/14/1999 4:00:00 AM				
<b>Fiscal Year:</b>		1999				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Treatment (other, not otherwise specified, exsitu)				
<b>Media:</b>		Surface Water				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		3				
<b>Actual Completion Date:</b>		7/3/2001 4:00:00 AM				
<b>Fiscal Year:</b>		2001				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Drainage/Erosion Control (other, not otherwise specified)				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		4				
<b>Actual Completion Date:</b>		6/25/1996 4:00:00 AM				
<b>Fiscal Year:</b>		1996				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		ESD - Nonfundamental Change (other)				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Discharge (other, not otherwise specified)				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Extraction (recovery/vertical well)				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Discharge (POTW)				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Drainage/Erosion Control (other, not otherwise specified)				
<b>Media:</b>		Solid Waste				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Other (not otherwise specified)				
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		7/3/2001 4:00:00 AM				
<b>Fiscal Year:</b>		2001				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Cap (engineered cap)				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		4				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Cap (engineered cap)				
<b>Media:</b>		Solid Waste				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		4/23/1998 4:00:00 AM				
<b>Fiscal Year:</b>		1998				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		ESD - Nonfundamental Change (other)				
<b>Media:</b>		Solid Waste				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		2				
<b>Actual Completion Date:</b>		7/14/1999 4:00:00 AM				
<b>Fiscal Year:</b>		1999				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		ESD/Amd - Remedy Element Addition/Modification				
<b>Media:</b>		Surface Water				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		3				
<b>Actual Completion Date:</b>		7/3/2001 4:00:00 AM				
<b>Fiscal Year:</b>		2001				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Revegetation				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		4				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Impermeable Barrier				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Cap (exsitu)				
<b>Media:</b>		Sediment				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Gas Collection System (active)				
<b>Media:</b>		Landfill Gas				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Treatment (other, not otherwise specified, onsite)				
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<a href="#">4</a>	3 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	FED INST
<b>EPA ID:</b>		ILD048306138				
<b>Region Code:</b>		05				
<b>County:</b>		KANE				
<b>Latitude:</b>		+41.983200				
<b>Longitude:</b>		-088.271200				
<b>Control Details</b>						
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Institutional Controls				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<a href="#">4</a>	4 of 20	NE	0.00 / 0.00	771.03 / -17	Waste Management West 7 North 904 Rt. 25 Elgin IL 60120	LUST
<b>Incident No:</b>		940421		<b>LPC No:</b>		0894385451
<b>Incidents ID:</b>		16631		<b>IEMA Date:</b>		02/25/1994
<b>NFR Date:</b>				<b>Regulation:</b>		732
<b>Gasoline:</b>		False		<b>C 20 Day Report Date:</b>		
<b>Unleaded:</b>		True		<b>C 45 Day Report Date:</b>		
<b>Diesel:</b>		True		<b>NFR Recorded Date:</b>		
<b>Fuel Oil:</b>		False		<b>Pre 74 Date:</b>		
<b>Jet Fuel:</b>		False		<b>Proj Manager Phone:</b>		
<b>Used Oil:</b>		False		<b>Proj Mngr First Nm:</b>		Mike
<b>Non Petroleum Prod:</b>		False		<b>Proj Mngr Last Nm:</b>		Heaton
<b>Other Petroleum:</b>		False		<b>Proj Manager Email:</b>		
<b>Non LUST Date:</b>		03/26/2013		<b>Site County:</b>		Kane
<b>Non LUST Letter Dt:</b>		03/26/2013				
<b>Heating Oil Letter Date:</b>						
<b>Free Product Discovery Date:</b>						
<b>Primary Resp Party Name:</b>		Waste Management West				
<b>Primary Resp Party Address:</b>		780 North Kirk Rd.				
<b>Primary Resp Party City:</b>		Batavia				
<b>Primary Resp Party State:</b>		IL				
<b>Primary Resp Party ZIP:</b>		60510				
<b>Primary Resp Party Phone:</b>						
<b>Primary Resp Party Contact:</b>		Bob Wagner				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">4</a>	5 of 20	NE	0.00 / 0.00	771.03 / -17	ELGIN LANDFILL  ST CHARLES TWP* IL	NIPC
IEPA No:		0890800002				
Active Sites:						
Source:						
QS 1st:		NW*				
QS 2nd:		NE*				
Map NO:		358				
Prov NO:		~				
Township:		40N				
Range:		08E				
Section:		01				
County:		KANE COUNTY				
Sites Previ Record & Map:		X				
Sites Previ Rec&Not Map:						
<a href="#">4</a>	6 of 20	NE	0.00 / 0.00	771.03 / -17	Waste Management West 7 N 904 Rt 25 Elgin, IL 60120 Elgin IL	UST
Facility No:		2001049		Facility Type:		Industrial / Manufacturing
Facility Status:		Closed		Owner Type:		Private
Fac Details Status:		Closed		Owner Status:		Current Owner
Fac Type Fac Details:		Industrial / Manufacturing		County:		Kane
Owner Name:		Waste Management West				
Facility URL:		<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2001049">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2001049</a>				
Permit History Link:		<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001049">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001049</a>				
<u>Tank Information</u>						
Tank No:		1		Capacity:		8300
UI No:				Petroleum Use:		
Status:		Removed		Product:		Diesel Fuel
Removed Date:		1/27/1995		CERCLA Substance:		
Install Date:		1/1/1971		Current Age:		24
Abandoned Date:				Abandoned Material:		
Last Used Date:				Product Date:		1/1/1971
Red Tag Issue Date:				Fee Due:		\$0.00
CAS Code:				Regulated Status:		Federal
OSFM First Noti Dt:		1/24/1986				
<u>Tank Information</u>						
Tank No:		2		Capacity:		2000
UI No:				Petroleum Use:		
Status:		Removed		Product:		Diesel Fuel
Removed Date:		1/26/1995		CERCLA Substance:		
Install Date:				Current Age:		27
Abandoned Date:				Abandoned Material:		
Last Used Date:				Product Date:		
Red Tag Issue Date:				Fee Due:		\$0.00
CAS Code:				Regulated Status:		Federal
OSFM First Noti Dt:		1/24/1986				
<u>Tank Information</u>						
Tank No:		3		Capacity:		2000
UI No:				Petroleum Use:		
Status:		Removed		Product:		Gasoline
Removed Date:		1/26/1995		CERCLA Substance:		
Install Date:		1/1/1971		Current Age:		24
Abandoned Date:				Abandoned Material:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Last Used Date:</b>			<b>Product Date:</b>		1/1/1971	
<b>Red Tag Issue Date:</b>			<b>Fee Due:</b>		\$0.00	
<b>CAS Code:</b>			<b>Regulated Status:</b>		Federal	
<b>OSFM First Noti Dt:</b>			1/24/1986			
<b><u>Owner Summary</u></b>						
<b>Owner No:</b>		U0023586		<b>Owner Status:</b>		Current Owner
<b>Owner Name:</b>		Waste Management West		<b>Purchase Date:</b>		1/1/1972
<b>Ownership History:</b>		https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049				
<b><u>Owner Details</u></b>						
<b>Owner Name:</b>		Waste Management West		<b>Type Financial Resp:</b>		Commercial Insurance
<b>Owner Status:</b>		Current Owner		<b>Fin Resp Rpt Due:</b>		12/31/2008
<b>Purchase Date:</b>		1/1/1972				
<b>Owner Address:</b>		7 N 904 Rt 25 Elgin, IL 60120				
<b><u>Owner Summary</u></b>						
<b>Owner No:</b>		U0004669		<b>Owner Status:</b>		Former Owner
<b>Owner Name:</b>		Elgin Wayne Disposal		<b>Purchase Date:</b>		12/31/1967
<b>Ownership History:</b>		https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049				
<b><u>Facility Details</u></b>						
<b>MFD Forms Status:</b>			<b>Green Tag Decal:</b>			
<b>MFD Permit Issue Dt:</b>			<b>Green Tag Issue Date:</b>			
<b>MFD Permit Exp Dt:</b>			<b>Green Tag Exp Date:</b>			
<b>Property Parcel:</b>			<b>Motor Fuel Type:</b>			
<b>Pending Nov:</b>		No				
<b>Status:</b>		Closed				
<b>Permit History Link:</b>		https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001049				
<b><u>Motorfuel Dispensing Permit</u></b>						
<b>Status:</b>		No Forms Found				
<b>Letter:</b>						
<b>MFD Received Date:</b>						
<b>MFD Name:</b>						
<b>MFD City:</b>						

<a href="#">4</a>	7 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT OF ILLINOIS 7N904 RTE 25 ELGIN IL 60120	FINDS/FRS
<b>Registry ID:</b>		110018221315				
<b>FIPS Code:</b>		17089				
<b>HUC Code:</b>		07120006				
<b>Site Type Name:</b>		STATIONARY				
<b>Location Description:</b>						
<b>Supplemental Location:</b>						
<b>Create Date:</b>		19-OCT-04				
<b>Update Date:</b>		24-FEB-14				
<b>Interest Types:</b>		STATE MASTER				
<b>SIC Codes:</b>						
<b>SIC Code Descriptions:</b>						
<b>NAICS Codes:</b>						
<b>NAICS Code Descriptions:</b>						
<b>Conveyor:</b>		FRS				
<b>Federal Facility Code:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> 14 <b>Census Block Code:</b> 170898514002021 <b>EPA Region Code:</b> 05 <b>County Name:</b> KANE <b>US/Mexico Border Ind:</b> <b>Latitude:</b> 42.03706 <b>Longitude:</b> -88.267749 <b>Reference Point:</b> <b>Coord Collection Method:</b> ADDRESS MATCHING-HOUSE NUMBER <b>Accuracy Value:</b> 4500 <b>Datum:</b> NAD83 <b>Source:</b> <b>Facility Detail Rprt URL:</b> https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018221315 <b>Data Source:</b> Facility Registry Service - Single File <b>Program Acronyms:</b>						
<a href="#">4</a>	8 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT WEST- ELGIN/WAYNE 7 N 904 ROUTE 25 ELGIN IL 60120	FINDS/FRS
<b>Registry ID:</b> 110001358780 <b>FIPS Code:</b> 17089 <b>HUC Code:</b> 07120007 <b>Site Type Name:</b> STATIONARY <b>Location Description:</b> <b>Supplemental Location:</b> <b>Create Date:</b> 01-MAR-00 <b>Update Date:</b> 03-MAY-15 <b>Interest Types:</b> AIR MINOR, ICIS-NPDES NON-MAJOR, STATE MASTER, STORM WATER INDUSTRIAL, UNSPECIFIED UNIVERSE <b>SIC Codes:</b> 9999 <b>SIC Code Descriptions:</b> NONCLASSIFIABLE ESTABLISHMENTS <b>NAICS Codes:</b> 339999 <b>NAICS Code Descriptions:</b> ALL OTHER MISCELLANEOUS MANUFACTURING. <b>Conveyor:</b> ACES <b>Federal Facility Code:</b> <b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> 14 <b>Census Block Code:</b> 170898520012001 <b>EPA Region Code:</b> 05 <b>County Name:</b> KANE <b>US/Mexico Border Ind:</b> <b>Latitude:</b> 41.984272 <b>Longitude:</b> -88.268924 <b>Reference Point:</b> <b>Coord Collection Method:</b> <b>Accuracy Value:</b> <b>Datum:</b> NAD83 <b>Source:</b> <b>Facility Detail Rprt URL:</b> https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110001358780 <b>Data Source:</b> Facility Registry Service - Single File <b>Program Acronyms:</b>						
<a href="#">4</a>	9 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT WEST 7N904 ROUTE 25 ELGIN IL	SPILLS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Incident No:	940421				County: KANE	
Date/Time Occurred:	2/25/1994 4:35:00 PM				Latitude:	
Media Release:					Longitude:	
Facility Manager:						
Fac Manager Phone:						
Responsible Party Street:						
Area Involved:		FIXED FACILITY				
Milepost:						
Section:						
Township:						
Range:						

#### Hazardous Materials Incident Report

Incident Report Dt:	2/25/1994 4:35:00 PM	County:	KANE
Data Input Status:	CLOSED	Entered by:	
LUST?:		Date Entered:	
Hazmat Incident Type:	LEAK		
Caller:	BOB WAGNER		
Caller Represents:	WASTE MANAGEMENT WEST		
Street Address:	7N904 ROUTE 25		
City:	ELGIN		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=940421		
Narrative:			

04/18/94 -TFG- WRITTEN FOLLOW UP RECEIVED STATING THERE WAS NO RELEASE AT THIS SITE AS REPORTED ON 02/25/94. LETTER IS ATTACHED TO ORIGINAL INCIDENT FIELD REPORT.

#### Follow Up Information:

#### Materials Involved

Name:	DIESEL FUEL & UNLEADED GASOLINE
Type:	UNKNOWN
CHRIS CODE:	
CAS No:	
UN/NA No:	
Container Type:	UNDERGROUND TANK
Container Size:	UNDERGROUND TANK
Amount Released:	NONE **SEE COMMENTS**
Rate of Release Min:	
Duration of Release:	
Cause of Release:	LINE CORR
Est Spill Extent:	
Spill Extent Units:	
Date/Time Inc Occur:	
Unknown Occurr:	
Date/Time Discov:	2/21/1994
Unknown Discovered:	
Where Taken:	-0-
On Scene Contact:	
No of People Evacuat:	-0-
A 302(a) Extremely Haz Sub?:	
A RCRA Hazardous Waste?:	
A RCRA Regulated Facility?:	
Proper Safety Precautions:	NONE
State Agency Assistance:	
Containment/Cleanup Plans:	

<a href="#">4</a>	10 of 20	NE	0.00 / 0.00	771.03 / -17	Elgin Landfill 7N904 Rte 25 South Elgin IL 60121	SWF/LF
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Site ID:	0890800002
Data Source:	Landfill Unknown Status



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Bureau of Land Landfill Unknown Status**

<b>Site Name:</b>	Elgin Landfill	<b>Latitude:</b>	41.9875
<b>Street Address:</b>	7N904 Rte 25	<b>Longitude:</b>	-88.279166
<b>City:</b>	South Elgin	<b>X:</b>	-88.27916600024574
<b>Zipcode:</b>	60121	<b>Y:</b>	41.987500000452854
<b>County:</b>	Kane		

<a href="#">4</a>	11 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	SEMS
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<b>EPA ID:</b>	ILD048306138	<b>Latitude:</b>	+41.983200
<b>Pgm Sys ID (Map):</b>	ILD048306138	<b>Longitude:</b>	-088.271200
<b>Latitude83 (Map):</b>		<b>Latitude83 (OD):</b>	
<b>Longitude83 (Map):</b>		<b>Longitude83 (OD):</b>	
<b>Primary Nm (Map):</b>	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.		
<b>Loc Addr (Map):</b>	7N 904 ILLINOIS ROUTE 25		
<b>Site Name:</b>	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.		
<b>Street Address:</b>	7N 904 ILLINOIS ROUTE 25		
<b>Street Address 2:</b>			
<b>City:</b>	ELGIN		
<b>County:</b>	KANE		
<b>PGM SYS ID (OD):</b>	ILD048306138		
<b>Name (OD):</b>	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.		
<b>Loc Addr (OD):</b>	7N 904 ILLINOIS ROUTE 25		
<b>City (OD):</b>	ELGIN		
<b>County (OD):</b>	KANE		
<b>Postal (OD):</b>	60177		
<b>County Name (Map):</b>	KANE		
<b>City Name (Map):</b>	ELGIN		
<b>Postal Code (Map):</b>	60177		
<b>State:</b>	IL		
<b>Zip:</b>	60177		
<b>Data Source:</b>	EPA Superfund Data and Reports Active Site Inventory (List 8R Active) (as of 26 Feb 2025); EPA FRS Interests Map - SEMS (as of 25 Aug 2024); CalOES EPA RCRA TSDF Map - SEMS (as of 25 Aug 2024)		

**Site Level Information**

<b>Site ID:</b>	0500340	<b>Superfund Alt Agmt:</b>	No
<b>NPL:</b>	Currently on the Final NPL	<b>FIPS Code:</b>	17089
<b>Federal Facility:</b>	No	<b>Cong District:</b>	06
<b>FF Docket:</b>	No	<b>Region:</b>	05
<b>Non NPL Status:</b>			

**Action Information**

<b>Site ID:</b>	0500340	<b>Start Actual:</b>	1/6/2014 5:00:00 AM
<b>Operable Units:</b>	00	<b>Finish Actual:</b>	7/3/2014 4:00:00 AM
<b>Action Code:</b>	FE	<b>Qual:</b>	
<b>Action Name:</b>	5 YEAR	<b>Curr Action Lead:</b>	EPA Perf In-Hse
<b>SEQ:</b>	3		
<b>Region:</b>	05		
<b>FF Docket:</b>	No		
<b>NPL:</b>	F		
<b>Federal Facility:</b>	No		
<b>Site ID:</b>	0500340	<b>Start Actual:</b>	9/15/2023 5:00:00 AM
<b>Operable Units:</b>	00	<b>Finish Actual:</b>	8/27/2024 5:00:00 AM
<b>Action Code:</b>	FE	<b>Qual:</b>	
<b>Action Name:</b>	5 YEAR	<b>Curr Action Lead:</b>	EPA Perf In-Hse
<b>SEQ:</b>	7		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	7/31/1991 4:00:00 AM
Operable Units:	00				Finish Actual:	4/27/1992 4:00:00 AM
Action Code:	RS				Qual:	
Action Name:	RV ASSESS				Curr Action Lead:	EPA Perf
SEQ:	2					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	6/10/1986 4:00:00 AM
Operable Units:	00				Finish Actual:	6/10/1986 4:00:00 AM
Action Code:	NP				Qual:	
Action Name:	PROPOSED				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	6/14/1999 4:00:00 AM
Operable Units:	02				Finish Actual:	9/30/2000 4:00:00 AM
Action Code:	BF				Qual:	IR
Action Name:	PRP RA				Curr Action Lead:	EPA Ovrsght
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	2/1/1983 5:00:00 AM
Operable Units:	00				Finish Actual:	2/1/1983 5:00:00 AM
Action Code:	PA				Qual:	L
Action Name:	PA				Curr Action Lead:	St Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	4/1/1979 5:00:00 AM
Operable Units:	00				Finish Actual:	4/1/1979 5:00:00 AM
Action Code:	DS				Qual:	
Action Name:	DISCVRY				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	3/31/1988 5:00:00 AM
Operable Units:	00				Finish Actual:	9/30/2004 4:00:00 AM
Action Code:	MA				Qual:	
Action Name:	ST COOP				Curr Action Lead:	St Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	1/4/2000 5:00:00 AM
Operable Units:	03				Finish Actual:	4/26/2000 4:00:00 AM
Action Code:	RD				Qual:	
Action Name:	RD				Curr Action Lead:	EPA Perf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	4/22/1988 4:00:00 AM
Operable Units:	00				Finish Actual:	9/30/1992 4:00:00 AM
Action Code:	CR				Qual:	
Action Name:	CI				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	10/1/1984 5:00:00 AM
Operable Units:	00				Finish Actual:	10/1/1984 5:00:00 AM
Action Code:	SI				Qual:	H
Action Name:	SI				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	7/24/1992 4:00:00 AM
Operable Units:	01				Finish Actual:	7/24/1992 4:00:00 AM
Action Code:	JF				Qual:	
Action Name:	ECO RISK				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	11/1/2001 5:00:00 AM
Operable Units:	01				Finish Actual:	
Action Code:	OM				Qual:	
Action Name:	OM				Curr Action Lead:	EPA Ovrsght
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	3/30/2004 5:00:00 AM
Operable Units:	00				Finish Actual:	9/23/2004 4:00:00 AM
Action Code:	FE				Qual:	
Action Name:	5 YEAR				Curr Action Lead:	EPA Ovrsght
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	3/31/1989 5:00:00 AM
Operable Units:	00				Finish Actual:	3/31/1989 5:00:00 AM
Action Code:	NF				Qual:	
Action Name:	NPL FINL				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	4/22/1988 4:00:00 AM
Operable Units:	01				Finish Actual:	9/30/1992 4:00:00 AM
Action Code:	CO				Qual:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Action Name:	RI/FS				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	11/1/2001 5:00:00 AM
Operable Units:	00				Finish Actual:	11/1/2001 5:00:00 AM
Action Code:	CM				Qual:	
Action Name:	PCOR				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	2/2/1994 5:00:00 AM
Operable Units:	01				Finish Actual:	9/30/1997 4:00:00 AM
Action Code:	BE				Qual:	
Action Name:	PRP RD				Curr Action Lead:	EPA Ovrsght
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	7/24/1992 4:00:00 AM
Operable Units:	00				Finish Actual:	
Action Code:	AR				Qual:	E
Action Name:	ADMIN REC				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	9/30/2004 4:00:00 AM
Operable Units:	00				Finish Actual:	9/30/2004 4:00:00 AM
Action Code:	AS				Qual:	
Action Name:	AIR SRVY				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	7/3/2018 5:00:00 AM
Operable Units:	00				Finish Actual:	9/11/2019 5:00:00 AM
Action Code:	FE				Qual:	
Action Name:	5 YEAR				Curr Action Lead:	EPA Perf In-Hse
SEQ:	6					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	9/4/1990 4:00:00 AM
Operable Units:	00				Finish Actual:	9/21/1990 4:00:00 AM
Action Code:	RS				Qual:	
Action Name:	RV ASSESS				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				
Site ID:	0500340				Start Actual:	4/19/2001 4:00:00 AM
Operable Units:	03				Finish Actual:	8/28/2002 4:00:00 AM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Action Code:	BF				Qual:	IR
Action Name:	PRP RA				Curr Action Lead:	EPA Ovrsght
SEQ:	2					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				

Site ID:	0500340				Start Actual:	9/30/1992 4:00:00 AM
Operable Units:	01				Finish Actual:	9/30/1992 4:00:00 AM
Action Code:	RO				Qual:	R
Action Name:	ROD				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				

Site ID:	0500340				Start Actual:	6/11/1985 5:00:00 AM
Operable Units:	00				Finish Actual:	6/11/1985 5:00:00 AM
Action Code:	HR				Qual:	
Action Name:	HAZRANK				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				

Site ID:	0500340				Start Actual:	7/24/1992 4:00:00 AM
Operable Units:	02				Finish Actual:	7/24/1992 4:00:00 AM
Action Code:	ED				Qual:	
Action Name:	R/H ASMT				Curr Action Lead:	EPA Perf
SEQ:	1					
Region:		05				
FF Docket:		No				
NPL:		F				
Federal Facility:		No				

#### GIS Information

Registry ID:	110071101749	Pgm Sys Acnrm:	SEMS
Active Status:	CURRENTLY ON THE FINAL NPL	Accuracy Value:	
Key Field:	SEMSILD048306138	HUC8 Code:	07120007
Interest Type:	SUPERFUND NPL	HUC 12:	
Fed Agency Name:		Public Ind:	Yes
Fed Facility Code:		Pgm Report:	no data yet
Federal Land Ind:		Point X:	-88.27119999999996
EPA Region Code:	05	Point Y:	41.98320000000007
Fips Code:	17089		
Collect Mth Desc:			
Ref Point Desc:			
Latitude83:	41.983200000000004		
Longitude83:	-88.271200000000001		
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749		
Program Url:	http://www.epa.gov/superfund/action/law/cercla.htm		
Pgm Report Url:	no data yet		

#### CalOES EPA RCRA TSDF Map - SEMS Details

Registry ID:	110071101749	HUC 12:	
Interest Type:	SUPERFUND NPL	Collect Mth Desc:	
Active Status:	CURRENTLY ON THE FINAL NPL	Accuracy Value:	
Pgm Sys Acnrm:	SEMS	Ref Point Desc:	
Federal Agency Nm:		EPA Region Code:	05
Federal Land Ind:		Key Field:	SEMSILD048306138
Fed Facility Cd:		Create Dt:	10/26/2021
Public Ind:	Yes	Update Dt:	11/24/2021



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
FIPS Code: 17089		Last Reported Dt:				
HUC8 Code: 07120007						
Longitude83: -88.2712						
Latitude83: 41.9832						
Pgm Report Url: no data yet						
Program URL: <a href="http://www.epa.gov/superfund/action/law/cercla.htm">http://www.epa.gov/superfund/action/law/cercla.htm</a>						
Fac Url: <a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749</a>						

<a href="#">4</a>	12 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 6017	SUPERFUND ROD
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EPA ID: ILD048306138  
 Site ID: 0500340  
 NPL Status: Final  
 Non NPL Status:  
 Region: 05  
 EPA ID (SFDB): ILD048306138  
 Site Name (SFDB): TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.  
 State (SFDB): IL  
 Region (SFDB): 05  
 Data Source(s): SEMS Superfund Public User Database (as of 26 Feb 2025); Searchable Superfund Decision Documents Database (SFDB) (as of 20 Dec 2024)

#### Superfund Decision Documents Details (SFDB)

Doc ID: 147743  
 Date: 07/03/2001  
 Pub No:  
 Description:  
 PDF Link: <https://semspub.epa.gov/src/document/05/147743>  
 Title: EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LANDFILL

Doc ID: 141668  
 Date: 07/14/1999  
 Pub No:  
 Description:  
 PDF Link: <https://semspub.epa.gov/src/document/05/141668>  
 Title: EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI-COUNTY/ELGIN LANDFILL SITE

Doc ID: 141667  
 Date: 04/23/1998  
 Pub No:  
 Description:  
 PDF Link: <https://semspub.epa.gov/src/document/05/141667>  
 Title: EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI-COUNTY/ELGIN LANDFILL SITE

Doc ID: 141675  
 Date: 06/25/1996  
 Pub No:  
 Description:  
 PDF Link: <https://semspub.epa.gov/src/document/05/141675>  
 Title: EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LDFL

Doc ID: 141678  
 Date: 09/30/1992  
 Pub No:  
 Description:  
 PDF Link: <https://semspub.epa.gov/src/document/05/141678>  
 Title: RECORD OF DECISION (ROD) (SIGNED) - TRI COUNTY LDFL

#### Historical Document Information

Doc ID: 141680

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Title:</b>		EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LDFL(4 pp, 260 KB, PDF)				
<b>Date:</b>		07/14/1999				
<b>Pub No:</b>						
<b>Description:</b>						
<b>PDF Link:</b>		<a href="http://semspub.epa.gov/src/document/05/141680">http://semspub.epa.gov/src/document/05/141680</a>				

**Completed RODs, ROD Amendments and ESDs (FOIA 2) Details**

<b>Seq ID:</b>	3
<b>Actual Comp Date:</b>	07/14/99
<b>Action Name:</b>	Explanation Of Significant Differences (ESD)
<b>Operable Unit Name:</b>	BASIC RI/FS TO START 88/2
<b>Seq ID:</b>	2
<b>Actual Comp Date:</b>	04/23/98
<b>Action Name:</b>	Explanation Of Significant Differences (ESD)
<b>Operable Unit Name:</b>	BASIC RI/FS TO START 88/2
<b>Seq ID:</b>	1
<b>Actual Comp Date:</b>	06/25/96
<b>Action Name:</b>	Explanation Of Significant Differences (ESD)
<b>Operable Unit Name:</b>	BASIC RI/FS TO START 88/2
<b>Seq ID:</b>	1
<b>Actual Comp Date:</b>	09/30/92
<b>Action Name:</b>	Record of Decision (ROD)
<b>Operable Unit Name:</b>	BASIC RI/FS TO START 88/2
<b>Seq ID:</b>	4
<b>Actual Comp Date:</b>	07/03/01
<b>Action Name:</b>	Explanation Of Significant Differences (ESD)
<b>Operable Unit Name:</b>	BASIC RI/FS TO START 88/2

<a href="#">4</a>	13 of 20	NE	0.00 / 0.00	771.03 / -17	Waste Management West-Elgin/Wayne 7 N 904 Rte 25 Elgin IL 60120	LUST DOCUMENT
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<b>Site ID (Map):</b>	170000096063	<b>Orig Bureau (Web):</b>	Bureau of Land
<b>System ID (Map):</b>	0894385451	<b>City (Web):</b>	Elgin
<b>Program ID (Web):</b>	0894385451	<b>State (Web):</b>	IL
<b>Interest Type (Map):</b>	LUST	<b>Zip (Web):</b>	60120
<b>Media Code (Map):</b>	LAND	<b>City (Map):</b>	Elgin
<b>Category (Web):</b>	Leaking UST Technical	<b>State (Map):</b>	IL
<b>Doc Indicator (Map):</b>	Yes	<b>Zip (Map):</b>	60120
<b>Doc Count (Web):</b>	5	<b>Latitude (Map):</b>	42.04033
<b>Total Pages (Web):</b>	6	<b>Longitude (Map):</b>	-88.28663
<b>Rev Dt Time (Map):</b>	12/30/2013	<b>X (Map):</b>	-88.28662999999995
<b>Collection Date (Map):</b>	01/01/2001	<b>Y (Map):</b>	42.04033000000004
<b>Name (Web):</b>	Waste Management West - 170000096063		
<b>Address (Web):</b>	7 N 904 Rte 25		
<b>Name (Map):</b>	Waste Management West-Elgin/Wayne		
<b>Address (Map):</b>	7 N 904 Rte 25		
<b>Category URL (Web):</b>	<a href="https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&amp;p=RLV&amp;rl=ce728c9a-11c1-4ddf-9003-314169ab1943&amp;tw=Results&amp;q=W0lFUEFJRf09lJE3MDAwMDA5NjA2MyIgQU5EIFtDQVRFR09SWV09lJlXQSl1">https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&amp;p=RLV&amp;rl=ce728c9a-11c1-4ddf-9003-314169ab1943&amp;tw=Results&amp;q=W0lFUEFJRf09lJE3MDAwMDA5NjA2MyIgQU5EIFtDQVRFR09SWV09lJlXQSl1</a>		
<b>Data Source:</b>	IEPA Source Water Assessment Program (SWAP) & Mapping Tool (Map); IEPA Document Explorer - Facility/Site Search (Web)		
<b>Note:</b>	Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: <a href="https://external.epa.illinois.gov/DocumentExplorer">https://external.epa.illinois.gov/DocumentExplorer</a>		

<a href="#">4</a>	14 of 20	NE	0.00 / 0.00	771.03 / -17	Waste Management West-Elgin/Wayne 7 N 904 Rte 25 Elgin IL 60120	AIR PERMITS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Note:** Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: <https://external.epa.illinois.gov/DocumentExplorer>

**Data Source:** IEPA Source Water Assessment Program (SWAP) & Mapping Tool (Map)

**IEPA Source Water Assessment Program (SWAP) & Mapping Tool**

**Name:** Waste Management West-Elgin/Wayne  
**Location Addr 3:** 7 N 904 Rte 25  
**City Name:** Elgin  
**State Code:** IL  
**Postal Code:** 60120

**Details**

<b>Indicator:</b>	Yes	<b>Revision Dt Time:</b>	12/30/2013
<b>Site ID:</b>	170000096063	<b>Collection Dt:</b>	
<b>System ID:</b>	089813AAL	<b>Latitude Measure:</b>	42.138725
<b>RID:</b>	251193	<b>Longitude Measure:</b>	-88.257381
<b>Interest Type:</b>	PERMIT	<b>Point X:</b>	-88.25738099999995
<b>Media Code:</b>	AIR	<b>Point Y:</b>	42.138725000000008

<a href="#">4</a>	15 of 20	NE	0.00 / 0.00	771.03 / -17	Waste Management West-Elgin/Wayne 7 N 904 Rte 25 Elgin IL 60120	IEPA DOCS
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**Note:** Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: <https://external.epa.illinois.gov/DocumentExplorer>

**IEPA Source Water Assessment Program (SWAP) & Mapping Tool**

**Name:** Waste Management West-Elgin/Wayne  
**Location Addr 3:** 7 N 904 Rte 25  
**City Name:** Elgin  
**State Code:** IL  
**Postal Code:** 60120

**Details**

<b>Indicator:</b>	Yes	<b>Latitude Measure:</b>	41.984272
<b>Site ID:</b>	170000096063	<b>Longitude Measure:</b>	-88.268924
<b>System ID:</b>	0894385451	<b>Point X:</b>	-88.26892399999997
<b>Collection Dt:</b>	10/12/2011	<b>Point Y:</b>	41.984272000000003
<b>Revision Dt Time:</b>	12/30/2013		
<b>Interest Type:</b>	BOL		
<b>Media Code:</b>	LAND		

<a href="#">4</a>	16 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MGMT WEST 7 N 904 RT 25 ELGIN IL 60120	RCRA NON GEN
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**EPA Handler ID:** ILR000000737  
**Gen Status Universe:** No Report  
**Contact Name:**  
**Contact Address:**  
**Contact Phone No and Ext:**  
**Contact Email:**  
**Contact Country:**  
**County Name:** KANE  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 20191213

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Location Latitude:  
 Location Longitude:  
 Recycler Activity?: NO  
 Recycler Activity Note: This facility has no indication of Recycling Activity.

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No  
 Recycler Activity: No  
 Recycler Activity Without Storage: No

#### Hazardous Waste Handler Details

Sequence No: 1  
 Receive Date: 19950222  
 Handler Name: WASTE MGMT WEST  
 Source Type: Notification  
 Federal Waste Generator Code: 2  
 Generator Code Description: Small Quantity Generator

#### Waste Code Details

Hazardous Waste Code: D001  
 Waste Code Description: IGNITABLE WASTE

#### Hazardous Waste Handler Details

Sequence No: 1  
 Receive Date: 20191213  
 Handler Name: WASTE MGMT WEST  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

#### Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	TWO WESTBROOK CORP CTR
Name:	W M X TECHNOLOGIES	Street 2:	
Date Became Current:		City:	WESTCHESTER
Date Ended Current:		State:	IL
Phone:	708-879-9190	Country:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:	Notification			Zip Code:	60154	
<b><u>Historical Handler Details</u></b>						
Receive Dt:	19950222					
Generator Code Description:	Small Quantity Generator					
Handler Name:	WASTE MGMT WEST					
<a href="#">4</a>	17 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT WEST - ELGIN 7 N 904 ROUTE 25 ELGIN IL 60120	UIC
Facility ID:	ILEA457			Contact Name:	Not Provided	
Facility State ID:	457			Contact Address:	7 N 904 Route 25	
Facility Type:				Contact City:	Elgin	
Naics Code:				Contact State:	IL	
Sic Code:				Contact Zip:	60120	
Petit State:				Contact Phone:		
County:						
<b><u>Well Details</u></b>						
Well ID:	ILEA5W322236457			Well Latitude:		
Well Type:	5F			Well Longitude:		
Status Description:	ACTIVE			Point Li A:	001	
Status Date:	4/24/2006			Well County:		
Operating Status:	AC			Accurate Value:		
Permit ID:	ILEA5RA			Location Desc:		
Permit Activity ID:				Horizontal Datum:		
Permit Act Code:				Method:		
Permit Activity Dt:				Source Sca:		
Well Site:				Contact ID:	ILEA457	
Well State ID:	ILEA5W322236457			Aqui Exempt:	No	
Well Name:				Total Depth:		
Well in Sw:				High Priority:		
Type Date:	4/24/2006			Geology ID:		
P State ID:	IL			State or Tribe:	IL	
Auth Status:	RA			Deep Well:	No	
Submit Date:				Aor Well:		
Owner Type:						
Type Description:	SEPTIC SYSTEMS					
1987 Catalog:	5W11 (Septic Systems - Undifferentiated Disposal), 5W32 (Septic Systems -Drainfield Disposal) 5W31 (Septic Systems - Well Disposal)					
Act Description:						

<a href="#">4</a>	18 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT - ELGIN HAULING 7N904 ROUTE 25 ELGIN IL 60120	UIC
Facility ID:	ILEA500			Contact Name:	Not Provided	
Facility State ID:	500			Contact Address:	7N904 Route 25	
Facility Type:				Contact City:	Elgin	
Naics Code:				Contact State:	IL	
Sic Code:				Contact Zip:	60120	
Petit State:				Contact Phone:		
County:						
<b><u>Well Details</u></b>						
Well ID:	ILEA5W111119500			Well Latitude:		
Well Type:	5F			Well Longitude:		
Status Description:	ACTIVE			Point Li A:	001	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> <b>Status Date:</b> 3/28/2007  <b>Operating Status:</b> AC  <b>Permit ID:</b> ILEA5RA  <b>Permit Activity ID:</b>  <b>Permit Act Code:</b>  <b>Permit Activity Dt:</b>  <b>Well Site:</b>  <b>Well State ID:</b> ILEA5W111119500  <b>Well Name:</b>  <b>Well in Sw:</b>  <b>Type Date:</b> 3/28/2007  <b>P State ID:</b> IL  <b>Auth Status:</b> RA  <b>Submit Date:</b>  <b>Owner Type:</b>  <b>Type Description:</b> SEPTIC SYSTEMS  <b>1987 Catalog:</b> 5W11 (Septic Systems - Undifferentiated Disposal), 5W32 (Septic Systems -Drainfield Disposal) 5W31 (Septic Systems - Well Disposal)  <b>Act Description:</b> </div> <div> <b>Well County:</b>  <b>Accurate Value:</b>  <b>Location Desc:</b>  <b>Hoirzantal Datum:</b>  <b>Method:</b>  <b>Source Sca:</b>  <b>Contact ID:</b> ILEA500  <b>Aqui Exempt:</b> No  <b>Total Depth:</b>  <b>High Priority:</b>  <b>Geology ID:</b>  <b>State or Tribe:</b> IL  <b>Deep Well:</b> No  <b>Aor Well:</b> </div> </div>						

<a href="#">4</a>	19 of 20	NE	0.00 / 0.00	771.03 / -17	WASTE MANAGEMENT WEST-ELGIN/WAYNE 7 N 904 ROUTE 25 ELGIN IL 60120	AFS
<div> <div> <b>Afs ID:</b> 1708900413  <b>Plant ID:</b> 986507  <b>Epa Region:</b> 05  <b>Plant County:</b> Kane  <b>State No:</b> 17  <b>Primary Sic Code:</b> 9999  <b>Secondary Sic Code:</b>  <b>Naics Code:</b> 339999  <b>Afs Gov Facility Des:</b> PRIVATELY OWNED/OPERATED  <b>Operating Status Def:</b> Permanently Closed  <b>Epa Classification Des:</b> Potential uncontrolled emissions &lt;100 tons/year  <b>Epa Compliance Status:</b> Unknown Compliance Status  <b>State Compliance Status:</b> Unknown Compliance Status </div> <div> <b>Fed Reportable:</b> No  <b>Current Hpv:</b>  <b>Loc Contrl Region:</b>  <b>Afs Gov Fac Code:</b> 0  <b>Operating Status:</b> X  <b>Epa Class Code:</b> B  <b>Epa Complian Stat:</b> 0  <b>State Comp Status:</b> 0 </div> </div>						

#### Historical Compliance - Air Program Level

<b>Air Program Code:</b>	0
<b>Air Program Code Ref:</b>	SIP Source
<b>Historical Compliance Date:</b>	0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103, 1104, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 1401, 1402, 1403
<b>Historical Compliance Status:</b>	0
<b>Historical Compliance Stat Ref:</b>	Unknown Compliance Status

#### Air Program

<b>Plant ID:</b>	986507	<b>Poll Classificatn:</b>	C
<b>Air Program Code:</b>	0	<b>Poll Compli Status:</b>	0
<b>Air Program Status:</b>	X	<b>Epa Class Code:</b>	B
<b>Pollutant Code:</b>	FACIL	<b>Epa Compli Status:</b>	0
<b>Chemical Abstract Service Nmbr:</b>			
<b>Air Program Code Subparts:</b>			
<b>Air Program Code Ref:</b>	SIP Source		
<b>Epa Classification Code Ref:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Epa Compliance Status Ref:</b>	Unknown Compliance Status		
<b>Pollutant Code Ref:</b>			
<b>Pollutant Classification Ref:</b>	Class is unknown.		
<b>Pollutant Complian Status Ref:</b>	Unknown Compliance Status		

#### Air Program



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Plant ID:</b> 986507 <b>Poll Classificatn:</b> B <b>Air Program Code:</b> 0 <b>Poll Compli Status:</b> 0 <b>Air Program Status:</b> X <b>Epa Class Code:</b> B <b>Pollutant Code:</b> PT <b>Epa Compli Status:</b> 0 <b>Chemical Abstract Service Nmbr:</b> <b>Air Program Code Subparts:</b> <b>Air Program Code Ref:</b> SIP Source <b>Epa Classification Code Ref:</b> Potential uncontrolled emissions <100 tons/year <b>Epa Compliance Status Ref:</b> Unknown Compliance Status <b>Pollutant Code Ref:</b> <b>Pollutant Classification Ref:</b> Potential uncontrolled emissions <100 tons/year <b>Pollutant Complian Status Ref:</b> Unknown Compliance Status						

<a href="#">4</a>	20 of 20	NE	0.00 / 0.00	771.03 / -17	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	FINDS/FRS
<b>Registry ID:</b> 110071101749 <b>FIPS Code:</b> 17089 <b>HUC Code:</b> 07120007 <b>Site Type Name:</b> CONTAMINATED SITE <b>Location Description:</b> <b>Supplemental Location:</b> <b>Create Date:</b> 26-OCT-21 <b>Update Date:</b> 30-JUN-24 <b>Interest Types:</b> SUPERFUND NPL <b>SIC Codes:</b> <b>SIC Code Descriptions:</b> <b>NAICS Codes:</b> <b>NAICS Code Descriptions:</b> <b>Conveyor:</b> SEMS <b>Federal Facility Code:</b> <b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> 14 <b>Census Block Code:</b> 170898520012001 <b>EPA Region Code:</b> 05 <b>County Name:</b> KANE <b>US/Mexico Border Ind:</b> <b>Latitude:</b> 41.9832 <b>Longitude:</b> -88.2712 <b>Reference Point:</b> <b>Coord Collection Method:</b> <b>Accuracy Value:</b> <b>Datum:</b> NAD83 <b>Source:</b> <b>Facility Detail Rprt URL:</b> <a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749</a> <b>Data Source:</b> Facility Registry Service - Single File <b>Program Acronyms:</b>						

<a href="#">5</a>	1 of 1	NNE	0.00 / 0.00	770.37 / -17	ELGIN LDFL RT 25 SOUTH ELGIN IL 60177	CERCLIS
<b>Site ID:</b> 0505269 <b>RNPL Status Code:</b> A <b>Site EPA ID:</b> ILD981960800 <b>NPL Status:</b> Site is Part of NPL Site <b>Site Street Address 2:</b> <b>RFED Facility Code:</b> N <b>Site County Name:</b> KANE <b>RFED Facility Desc:</b> Not a Federal Facility <b>Site FIPS Code:</b> 17089 <b>USGS Hydro Unit No.:</b> 07120007 <b>Region Code:</b> 05 <b>Site Cong. Dist. Code:</b> 14						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site SMSA No.:	1600				ROT Desc:	Unknown
Site Prim. Latitude:	+41.986111				FR NPL Update No.:	
Site Prim. Longitude:	-088.269444				RFRA Code:	
Lat Long Source:						
RNON NPL Status Desc:						

#### CERCLIS Site Contact Name(s)

Person ID: 5000104.00  
 First Name: JOHN  
 Last Name: FAGIOLO  
 Phone No.: 3128860800  
 Email: fagiolo.john@epa.gov

#### CERCLIS Site Contact Name(s)

Person ID: 5271043.00  
 First Name: DON  
 Last Name: DE BLASIO  
 Phone No.: 3128864360  
 Email:

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	EPA Fund
Act Code ID:	001	Act Start Date:	
RAT Code:	DS	Act Complete Date:	8/1/1987 00:00:00
RAT Short Name:	DISCVRY	AGT Order No.:	10
RAT Name:	DISCOVERY	SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:	B	SH Seq:	
RAT Level:	1	SH Start Date:	
RAT DEF OU:	00	SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:	13		
RAT Def:			

The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:  
 Site Alias:

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	
Act Code ID:		Act Start Date:	
RAT Code:		Act Complete Date:	
RAT Short Name:		AGT Order No.:	0
RAT Name:		SH OU:	
RAT Hist. Only Flag:		SH Code:	
RAT NSI Indicator:		SH Seq:	
RAT Level:		SH Start Date:	
RAT DEF OU:		SH Complete Date:	
RFBS Code:		SH Lead:	
SPA Code:			
RAT Def:			

Site Desc: No description available  
 Site Alias: TRI-COUNTY,,,IL,;

#### CERCLIS Assess History

OU ID:	00	RALT Short Name:	State (Fund)
Act Code ID:	001	Act Start Date:	
RAT Code:	PA	Act Complete Date:	9/30/1988 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
RAT Short Name:	PA				AGT Order No.: 130	
RAT Name:	PRELIMINARY ASSESSMENT				SH OU:	
RAT Hist. Only Flag:					SH Code:	
RAT NSI Indicator:	B				SH Seq:	
RAT Level:	1				SH Start Date:	
RAT DEF OU:	00				SH Complete Date:	
RFBS Code:	P				SH Lead:	
SPA Code:	13					
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.					
Site Desc:						
Site Alias:						
<hr/>						
<u>CERCLIS Assess History</u>						
<hr/>						
OU ID:	00				RALT Short Name:	State (Fund)
Act Code ID:	001				Act Start Date:	
RAT Code:	SI				Act Complete Date:	11/3/1989 00:00:00
RAT Short Name:	SI				AGT Order No.:	160
RAT Name:	SITE INSPECTION				SH OU:	00
RAT Hist. Only Flag:					SH Code:	SH
RAT NSI Indicator:	B				SH Seq:	001
RAT Level:	1				SH Start Date:	
RAT DEF OU:	00				SH Complete Date:	9/29/1995 00:00:00
RFBS Code:	P				SH Lead:	State (Fund)
SPA Code:	13					
RAT Def:	The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.					
Site Desc:						
Site Alias:						
<hr/>						
<a href="#">6</a>	1 of 2	ESE	0.00 / 0.00	760.10 / -28	PINGEL, BARBARA-ELGIN LANDFILL 7N802 RTE 25 ELGIN IL 60120	FINDS/FRS
<hr/>						
Registry ID:	110007906891					
FIPS Code:	17089					
HUC Code:	07120006					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	01-MAR-00					
Update Date:	26-JAN-12					
Interest Types:	STATE MASTER, UNSPECIFIED UNIVERSE					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	FRS					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	14					
Census Block Code:	170898514002021					
EPA Region Code:	05					
County Name:	KANE					
US/Mexico Border Ind:						
Latitude:	42.03706					
Longitude:	-88.267749					
Reference Point:						
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	4500					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110007906891					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Data Source: Facility Registry Service - Single File  
 Program Acronyms:

<a href="#">6</a>	2 of 2	ESE	0.00 / 0.00	760.10 / -28	ELGIN LANDFILL 7N802 RTE 25 ELGIN IL 60120	RCRA NON GEN
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EPA Handler ID: ILR000106971  
 Gen Status Universe: No Report  
 Contact Name:  
 Contact Address:  
 Contact Phone No and Ext:  
 Contact Email:  
 Contact Country:  
 County Name: KANE  
 EPA Region: 05  
 Land Type: Private  
 Receive Date: 20200923  
 Location Latitude:  
 Location Longitude:  
 Recycler Activity?: NO  
 Recycler Activity Note: This facility has no indication of Recycling Activity.

#### Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No  
 Recycler Activity: No  
 Recycler Activity Without Storage: No

#### Hazardous Waste Handler Details

Sequence No: 1  
 Receive Date: 20010711  
 Handler Name: ELGIN LANDFILL  
 Source Type: Notification  
 Federal Waste Generator Code: 2  
 Generator Code Description: Small Quantity Generator

#### Waste Code Details

Hazardous Waste Code: D001  
 Waste Code Description: IGNITABLE WASTE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20200923  
**Handler Name:** ELGIN LANDFILL  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	1000 GENEVA ST APT 15C
<b>Name:</b>	PINGEL BARBARA	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	ST CHARLES
<b>Date Ended Current:</b>		<b>State:</b>	IL
<b>Phone:</b>	630-584-7917	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	60174

#### Historical Handler Details

**Receive Dt:** 20010711  
**Generator Code Description:** Small Quantity Generator  
**Handler Name:** ELGIN LANDFILL

<u>7</u>	1 of 1	ENE	0.00 / 0.00	758.33 / -29	South Elgin 7N.749 Route 25 Elgin IL 60120	TIER 2
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**Facility County:** Kane  
**Report Year(s):** 2014, 2013, 2012, 2011, 2010, 2009

#### Tier II Details

<b>Report Year:</b>	2011	<b>Chemical CAS No:</b>	025155300
<b>LEPC:</b>	Kane	<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311	<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835	<b>Avg Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Longitude:</b>	-88.2685		
<b>Corporate Name:</b>	Elmhurst Chicago Stone Company		
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District		
<b>Chemical Name:</b>	CBP-2		
<b>Chem Health Haz:</b>	Immediate,		
<b>Owner:</b>	Elmhurst Chicago Stone Company		
<b>Owner Street:</b>	400 West First Street		
<b>Owner City:</b>	Elmhurst		
<b>Owner State:</b>	IL		
<b>Owner Zip Code:</b>	60126		
<b>Owner Phone:</b>	6308324000		
<b>Mailing Name:</b>			
<b>Mailing Street:</b>	7N.749 Route 25		
<b>Mailing City:</b>	Elgin		
<b>Mailing State:</b>	IL		
<b>Mailing Zip Code:</b>	60120		
<b>Report Year:</b>	2011	<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>	Kane	<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311	<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835	<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2012				<b>Chemical CAS No:</b>	025155300
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CBP-2				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2011				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2014				Chemical CAS No:	025155300
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	5,000-9,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst-Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		CBP-2				
Chem Health Haz:		Immediate,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:		elmhurst-Chicago Stone Company				
Mailing Street:		400 West First Street				
Mailing City:		Elmhurst				
Mailing State:		IL				
Mailing Zip Code:		60126-				
Report Year:	2012				Chemical CAS No:	68476302
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		DIESEL FUEL				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2012				Chemical CAS No:	8006619
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		GASOLINE				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>		2014			<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8477425311			<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Latitude:</b>		41.9835			<b>Avg Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Longitude:</b>		-88.2685				
<b>Corporate Name:</b>		Elmhurst-Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		Cement				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>		elmhurst-Chicago Stone Company				
<b>Mailing Street:</b>		400 West First Street				
<b>Mailing City:</b>		Elmhurst				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60126-				
<b>Report Year:</b>		2014			<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8477425311			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>		41.9835			<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>		-88.2685				
<b>Corporate Name:</b>		Elmhurst-Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>		elmhurst-Chicago Stone Company				
<b>Mailing Street:</b>		400 West First Street				
<b>Mailing City:</b>		Elmhurst				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60126-				
<b>Report Year:</b>		2010			<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8477425311			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>		41.9835			<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>		-88.2685				
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	N/A
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		SIKAMIX PL-90				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2013				<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2014				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst-Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>		elmhurst-Chicago Stone Company				
<b>Mailing Street:</b>		400 West First Street				
<b>Mailing City:</b>		Elmhurst				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60126-				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Report Year:	2014				Chemical CAS No:	7631869
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Solid,
Facility Fax:					Max Daily Amt(lbs):	100,000-499,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-499,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst-Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	FLYASH					
Chem Health Haz:	Immediate, Delayed,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:	elmhurst-Chicago Stone Company					
Mailing Street:	400 West First Street					
Mailing City:	Elmhurst					
Mailing State:	IL					
Mailing Zip Code:	60126-					
Report Year:	2013				Chemical CAS No:	65997151
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	100,000-499,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-499,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	CEMENT					
Chem Health Haz:	Immediate,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
Report Year:	2013				Chemical CAS No:	025155300
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	5,000-9,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	CBP-2					
Chem Health Haz:	Immediate,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
Report Year:	2012				Chemical CAS No:	7631869
LEPC:	Kane				Chemical EHS:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Phone:	8477425311				Chemical Contents:	Mixture, Solid,
Facility Fax:					Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-999,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		FLYASH				
Chem Health Haz:		Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2011				Chemical CAS No:	65997151
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-999,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		CEMENT				
Chem Health Haz:		Immediate,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2011				Chemical CAS No:	7631869
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Solid,
Facility Fax:					Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-999,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		FLYASH				
Chem Health Haz:		Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2012				Chemical CAS No:	65997151
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-999,999



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		CEMENT				
Chem Health Haz:		Immediate,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2013			Chemical CAS No:	68476302	
LEPC:	Kane			Chemical EHS:	No	
Facility Phone:	8477425311			Chemical Contents:	Mixture, Liquid,	
Facility Fax:				Max Daily Amt(lbs):	10,000-24,999	
Facility Latitude:	41.9835			Avg Daily Amt(lbs):	10,000-24,999	
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		DIESEL FUEL				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2013			Chemical CAS No:	7631869	
LEPC:	Kane			Chemical EHS:	No	
Facility Phone:	8477425311			Chemical Contents:	Mixture, Solid,	
Facility Fax:				Max Daily Amt(lbs):	100,000-499,999	
Facility Latitude:	41.9835			Avg Daily Amt(lbs):	100,000-499,999	
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		FLYASH				
Chem Health Haz:		Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2010			Chemical CAS No:	68476302	
LEPC:	Kane			Chemical EHS:	No	
Facility Phone:	8477425311			Chemical Contents:	Mixture, Liquid,	
Facility Fax:				Max Daily Amt(lbs):	10,000-99,999	
Facility Latitude:	41.9835			Avg Daily Amt(lbs):	10,000-99,999	
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				

<u>8</u>	1 of 8	SE	0.01 / 46.37	746.29 / -41	Arc Disposal 7 North 540 Rt. 25 Elgin IL 60120	LUST
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<b>Incident No:</b>	991256	<b>LPC No:</b>	0894385587
<b>Incidents ID:</b>	23824	<b>IEMA Date:</b>	05/25/1999
<b>NFR Date:</b>	05/31/2007	<b>Regulation:</b>	732
<b>Gasoline:</b>	False	<b>C 20 Day Report Date:</b>	08/13/1999
<b>Unleaded:</b>	False	<b>C 45 Day Report Date:</b>	09/30/1999
<b>Diesel:</b>	True	<b>NFR Recorded Date:</b>	06/11/2007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Fuel Oil:</b>	False				<b>Pre 74 Date:</b>	
<b>Jet Fuel:</b>	False				<b>Proj Manager Phone:</b>	
<b>Used Oil:</b>	False				<b>Proj Mngr First Nm:</b>	Scott
<b>Non Petroleum Prod:</b>	False				<b>Proj Mngr Last Nm:</b>	McGill
<b>Other Petroleum:</b>	False				<b>Proj Manager Email:</b>	
<b>Non LUST Date:</b>					<b>Site County:</b>	Kane
<b>Non LUST Letter Dt:</b>						
<b>Heating Oil Letter Date:</b>						
<b>Free Product Discovery Date:</b>						
<b>Primary Resp Party Name:</b>	Arc Disposal					
<b>Primary Resp Party Address:</b>	2101 South Busse					
<b>Primary Resp Party City:</b>	Mt. Prospect					
<b>Primary Resp Party State:</b>	IL					
<b>Primary Resp Party ZIP:</b>	60056					
<b>Primary Resp Party Phone:</b>	8479810091					
<b>Primary Resp Party Contact:</b>	Richard Hoving, Jr.					

<b>8</b>	<b>2 of 8</b>	<b>SE</b>	<b>0.01 / 46.37</b>	<b>746.29 / -41</b>	<b>ARC Disposal Co., Inc. 7 N 540 Rt 25 Elgin, IL 60120 Elgin IL</b>	<b>UST</b>
<b>Facility No:</b>	2000516			<b>Facility Type:</b>	Industrial / Manufacturing	
<b>Facility Status:</b>	Closed			<b>Owner Type:</b>	Private	
<b>Fac Details Status:</b>	Closed			<b>Owner Status:</b>	Current Owner	
<b>Fac Type Fac Details:</b>	Industrial / Manufacturing			<b>County:</b>	Kane	
<b>Owner Name:</b>	ARC Disposal Co., Inc.					
<b>Facility URL:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2000516">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2000516</a>					
<b>Permit History Link:</b>	<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2000516">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2000516</a>					

#### Tank Information

<b>Tank No:</b>	1	<b>Capacity:</b>	10000
<b>UI No:</b>		<b>Petroleum Use:</b>	None
<b>Status:</b>	Removed	<b>Product:</b>	Diesel Fuel
<b>Removed Date:</b>	8/12/1999	<b>CERCLA Substance:</b>	
<b>Install Date:</b>	6/1/1980	<b>Current Age:</b>	19
<b>Abandoned Date:</b>		<b>Abandoned Material:</b>	
<b>Last Used Date:</b>	12/22/1998	<b>Product Date:</b>	
<b>Red Tag Issue Date:</b>		<b>Fee Due:</b>	\$0.00
<b>CAS Code:</b>		<b>Regulated Status:</b>	Federal
<b>OSFM First Noti Dt:</b>	2/6/1986		

#### Owner Summary

<b>Owner No:</b>	U0000718	<b>Owner Status:</b>	Current Owner
<b>Owner Name:</b>	ARC Disposal Co., Inc.	<b>Purchase Date:</b>	
<b>Ownership History:</b>	<a href="https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2000516">https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2000516</a>		

#### Owner Details

<b>Owner Name:</b>	ARC Disposal Co., Inc.	<b>Type Financial Resp:</b>	
<b>Owner Status:</b>	Current Owner	<b>Fin Resp Rpt Due:</b>	
<b>Purchase Date:</b>			
<b>Owner Address:</b>	2101 S. Busse Rd. Mount Prospect, IL 60056		

#### IEMA No

<b>Permit No:</b>	02117-1999REM	<b>Inspection Date:</b>	8/12/1999
<b>IEMA No:</b>	991256	<b>Inspection Type:</b>	Removal Log
<b>IEMA Link:</b>	<a href="https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx">https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>LUST Fund Eligibility</u>						
IEMA No:	99-1256				OSFM Received Dt:	12/13/1999
Status:	Eligible				OSFM Response Dt:	12/20/1999
Deductible:	\$10,000					
Letter:						
IEMA Link:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx					
<u>Facility Details</u>						
MFD Forms Status:					Green Tag Decal:	
MFD Permit Issue Dt:					Green Tag Issue Date:	
MFD Permit Exp Dt:					Green Tag Exp Date:	
Property Parcel:					Motor Fuel Type:	
Pending Nov:	No					
Status:		Closed				
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2000516					
<u>Motorfuel Dispensing Permit</u>						
Status:	No Forms Found					
Letter:						
MFD Received Date:						
MFD Name:						
MFD City:						
8	3 of 8	SE	0.01 / 46.37	746.29 / -41	ARC DISPOSAL 7N540 RTE 25 ELGIN IL 60120	FINDS/FRS
Registry ID:	110018446653					
FIPS Code:	17089					
HUC Code:	07120006					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	19-OCT-04					
Update Date:	23-DEC-07					
Interest Types:	STATE MASTER					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	ACES					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	14					
Census Block Code:	170898508004010					
EPA Region Code:	05					
County Name:	KANE					
US/Mexico Border Ind:						
Latitude:	42.04772					
Longitude:	-88.26755					
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018446653					
Data Source:	Facility Registry Service - Single File					
Program Acronyms:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">8</a>	4 of 8	SE	0.01 / 46.37	746.29 / -41	ARC DISPOSAL 7N540 ROUTE 25 ELGIN IL	SPILLS
<div> <div> Incident No: 991256  Date/Time Occurred: 5/25/1999 9:51:00 AM  Media Release:  Facility Manager:  Fac Manager Phone:  Responsible Party Street:  Area Involved: FIXED FACILITY  Milepost:  Section:  Township:  Range: </div> <div> County: KANE  Latitude:  Longitude: </div> </div>						
<b><u>Hazardous Materials Incident Report</u></b>						
<div> <div> Incident Report Dt: 5/25/1999 9:51:00 AM  Data Input Status: CLOSED  LUST?:  Hazmat Incident Type: LEAK  Caller: DICK HOVING  Caller Represents: ARC DISPOSAL  Street Address: 7N540 ROUTE 25  City: ELGIN  URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=991256  Narrative: </div> <div> County: KANE  Entered by:  Date Entered: </div> </div>						
Follow Up Information:						
<b><u>Materials Involved</u></b>						
<div> Name: DIESEL FUEL  Type: UNKNOWN  CHRIS CODE:  CAS No:  UN/NA No:  Container Type: UNDERGROUND TANK  Container Size: UNDERGROUND TANK  Amount Released: UNKNOWN  Rate of Release Min:  Duration of Release:  Cause of Release: OVERSPILL  Est Spill Extent:  Spill Extent Units:  Date/Time Inc Occur:  Unknown Occur:  Date/Time Discov: 05/18/99 1000  Unknown Discovered:  Where Taken: NONE  On Scene Contact:  No of People Evacuat: NONE  A 302(a) Extremely Haz Sub?:  A RCRA Hazardous Waste?:  A RCRA Regulated Facility?:  Proper Safety Precautions: NONE  State Agency Assistance:  Containment/Cleanup Plans: </div>						
<a href="#">8</a>	5 of 8	SE	0.01 / 46.37	746.29 / -41	J & T SERVICES 7N540 ROUTE 25 SOUTH ELGIN IL 60120	AST





Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City Name:		Elgin				
State Code:		IL				
Postal Code:		60120				
<b>Details</b>						
Indicator:	Yes			Latitude Measure:	42.04772	
Site ID:	170000616992			Longitude Measure:	-88.26755	
System ID:	0894385587			Point X:	-88.26754999999997	
Collection Dt:	11/07/2002			Point Y:	42.047720000000003	
Revision Dt Time:	06/30/2003					
Interest Type:	BOL					
Media Code:	LAND					
<a href="#">9</a>	1 of 1	E	0.05 / 243.13	756.99 / -31	TRICOUNTY ST CHARLES TWP* IL	NIPC
IEPA No:		0890800001				
Active Sites:						
Source:						
QS 1st:		NE				
QS 2nd:		SW				
Map NO:		359				
Prov NO:		~				
Township:		40N				
Range:		08E				
Section:		01				
County:		KANE COUNTY				
Sites Previ Record & Map:		X				
Sites Previ Rec&Not Map:						
<a href="#">10</a>	1 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND LANDFILL ST CHARLES TWP* IL	NIPC
IEPA No:		0894830005				
Active Sites:						
Source:						
QS 1st:		NW				
QS 2nd:		NW				
Map NO:		357				
Prov NO:		~				
Township:		40N				
Range:		08E				
Section:		01				
County:		KANE COUNTY				
Sites Previ Record & Map:		X				
Sites Previ Rec&Not Map:						
<a href="#">10</a>	2 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND LANDFILL #2 ST CHARLES TWP* IL	NIPC
IEPA No:		0894830010				
Active Sites:		X				
Source:						
QS 1st:		NW*				
QS 2nd:		SW*				
Map NO:		356				
Prov NO:		~				
Township:		40N				
Range:		08E				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Section:		01				
County:		KANE COUNTY				
Sites Previ Record & Map:						
Sites Previ Rec&Not Map:						

<a href="#">10</a>	3 of 11	WSW	0.05 / 269.33	758.46 / -29	Waste Management Of Illinois Inc 7 N 500 Route 25 South Elgin, IL 60177 South Elgin IL	UST
Facility No:		2007470	Facility Type:		Other	
Facility Status:		Closed	Owner Type:			
Fac Details Status:		Closed	Owner Status:		Current Owner	
Fac Type Fac Details:		Other	County:		Kane	
Owner Name:		Waste Management of Illinois, Inc.				
Facility URL:		<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2007470">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2007470</a>				
Permit History Link:		<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470</a>				

#### Tank Information

Tank No:	1	Capacity:	10000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Diesel Fuel
Removed Date:	7/10/1992	CERCLA Substance:	
Install Date:	4/1/1977	Current Age:	15
Abandoned Date:		Abandoned Material:	
Last Used Date:	7/9/1992	Product Date:	4/1/1977
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	4/22/1986		

#### Owner Summary

Owner No:	U0016039	Owner Status:	Current Owner
Owner Name:	Waste Management of Illinois, Inc.	Purchase Date:	4/11/1999
Ownership History:	<a href="https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2007470">https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2007470</a>		

#### Owner Details

Owner Name:	Waste Management of Illinois, Inc.	Type Financial Resp:	
Owner Status:	Current Owner	Fin Resp Rpt Due:	
Purchase Date:	4/11/1999		
Owner Address:	720 E. Butterfield Road 4th Floor Lombard, IL 60148		

#### Facility Details

MFD Forms Status:		Green Tag Decal:	
MFD Permit Issue Dt:		Green Tag Issue Date:	
MFD Permit Exp Dt:		Green Tag Exp Date:	
Property Parcel:		Motor Fuel Type:	
Pending Nov:	No		
Status:	Closed		
Permit History Link:	<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470</a>		

#### Motorfuel Dispensing Permit

Status:	No Forms Found
Letter:	
MFD Received Date:	
MFD Name:	
MFD City:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">10</a>	4 of 11	WSW	0.05 / 269.33	758.46 / -29	Woodland Rdf 7N500 Rte 25 South Elgin IL 60177	SWF/LF

Site ID: 0894830005  
Data Source: Landfill Unknown Status; Landfills (Revised June 24, 2024)

**Bureau of Land Landfill Unknown Status**

Site Name:	Woodland Rdf	Latitude:	41.98339
Street Address:	7N500 Rte 25	Longitude:	-88.27859
City:	South Elgin	X:	-88.27858999974306
Zipcode:	60177	Y:	41.98338999997752
County:	Kane		

**Bureau of Land Landfills**

Site Name:	Woodland Rdf	County:	Kane
Street Address:		Latitude:	41.9839
City:		Longitude:	-88.27831
Zipcode:			
Note:	PART 813 PERMITTED MUNICIPAL SOLID WASTE LANDFILLS IN POST CLOSURE		

<a href="#">10</a>	5 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
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Type:	Tank - Above Ground Bulk	Date:	
NOVs:	1 NOVs	Inspector:	
Tank 2:		Row:	
Occupant 2:		Section:	KA
Occupancy No:	-001-KA-059		
Occupant Type:	059 - ABOVE GROUND BULK STORAGE		
Tank:	TANK #1-1500		
Building:			
Location Comment:			

<a href="#">10</a>	6 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
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Type:	Tank - Above Ground Bulk	Date:	
NOVs:	1 NOVs	Inspector:	
Tank 2:		Row:	
Occupant 2:		Section:	KA
Occupancy No:	-001-KA-059		
Occupant Type:	059 - ABOVE GROUND BULK STORAGE		
Tank:	TANK #3-750-		
Building:			
Location Comment:			

<a href="#">10</a>	7 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
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Type:	Tank - Above Ground Bulk	Date:	
NOVs:	1 NOVs	Inspector:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Tank 2:				Row:		
Occupant 2:				Section:	KA	
Occupancy No:		001-KA-059				
Occupant Type:		059 - ABOVE GROUND BULK STORAGE				
Tank:		TANK #2-1500-				
Building:						
Location Comment:						

<a href="#">10</a>	8 of 11	WSW	0.05 / 269.33	758.46 / -29	Woodland Recycling & Disposal Facility 7N 500 Route 25 South Elgin IL 60177	TIER 2
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Facility County: Kane  
Report Year(s): 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005

#### Tier II Details

<b>Report Year:</b>	2015	<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane	<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208	<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126	<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911	<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314		
<b>Corporate Name:</b>	Waste Management of Illinois, Inc.		
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District		
<b>Chemical Name:</b>	ANTI-FREEZE (ETHYLENE GLYCOL)		
<b>Chem Health Haz:</b>	Fire, Immediate,		
<b>Owner:</b>	Waste Management of Illinois, Inc.		
<b>Owner Street:</b>	720 E Butterfield Road, Suite 400		
<b>Owner City:</b>	Lombard		
<b>Owner State:</b>	IL		
<b>Owner Zip Code:</b>	60148-5661		
<b>Owner Phone:</b>	6308884611		
<b>Mailing Name:</b>	Waste Management of Illinois, Inc		
<b>Mailing Street:</b>	W124 N9355 Boundary Road		
<b>Mailing City:</b>	Menomonee Falls		
<b>Mailing State:</b>	WI		
<b>Mailing Zip Code:</b>	53051		
<b>Report Year:</b>	2012	<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane	<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208	<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126	<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9911	<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.314		
<b>Corporate Name:</b>	Woodland Recycling & Disposal Facility		
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District		
<b>Chemical Name:</b>	OIL (MOTOR & USED)		
<b>Chem Health Haz:</b>	Immediate, Delayed,		
<b>Owner:</b>	WASTE MANAGEMENT OF ILLINOIS INC		
<b>Owner Street:</b>	7N 500 Route 25		
<b>Owner City:</b>	South Elgin		
<b>Owner State:</b>	IL		
<b>Owner Zip Code:</b>	60177		
<b>Owner Phone:</b>	8478417208		
<b>Mailing Name:</b>	Woodland Recycling & Disposal Facility		
<b>Mailing Street:</b>	W124 N9355 Boundary Road		
<b>Mailing City:</b>	Menomonee Falls		
<b>Mailing State:</b>	WI		
<b>Mailing Zip Code:</b>	53051		
<b>Report Year:</b>	2013	<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane	<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208	<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126	<b>Max Daily Amt(lbs):</b>	25,000-49,999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.314					
Corporate Name:		Woodland Recycling & Disposal Facility				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		OIL (MOTOR & USED)				
Chem Health Haz:		Immediate, Delayed,				
Owner:		WASTE MANAGEMENT OF ILLINOIS INC				
Owner Street:		7N 500 Route 25				
Owner City:		South Elgin				
Owner State:		IL				
Owner Zip Code:		60177				
Owner Phone:		8478417208				
Mailing Name:		Woodland Recycling & Disposal Facility				
Mailing Street:		W124 N9355 Boundary Road				
Mailing City:		Menomonee Falls				
Mailing State:		WI				
Mailing Zip Code:		53051				
Report Year:	2022				Chemical CAS No:	64742547
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	25,000-49,999
Facility Latitude:	41.9806				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.2744					
Corporate Name:		Waste Management of Illinois, Inc.				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		OIL (MOTOR & USED)				
Chem Health Haz:		Immediate, Delayed,				
Owner:		Waste Management of Illinois, Inc.				
Owner Street:		720 E Butterfield Road, Suite 400				
Owner City:		Lombard				
Owner State:		IL				
Owner Zip Code:		60148-5661				
Owner Phone:		6308884611				
Mailing Name:		Waste Management of Illinois, Inc				
Mailing Street:		720 E Butterfield Road, Suite 400				
Mailing City:		Lombard				
Mailing State:		IL				
Mailing Zip Code:		60148-5661				
Report Year:	2021				Chemical CAS No:	107211
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.314					
Corporate Name:		Waste Management of Illinois, Inc.				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		ANTI-FREEZE (ETHYLENE GLYCOL)				
Chem Health Haz:		Fire, Immediate,				
Owner:		WASTE MANAGEMENT OF ILLINOIS INC				
Owner Street:		7N 500 Route 25				
Owner City:		South Elgin				
Owner State:		IL				
Owner Zip Code:		60177				
Owner Phone:		8478417208				
Mailing Name:		Waste Management of Illinois, Inc				
Mailing Street:		W124 N9355 Boundary Road				
Mailing City:		Menomonee Falls				
Mailing State:		WI				
Mailing Zip Code:		53051				
Report Year:	2014				Chemical CAS No:	107211
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.314					
Corporate Name:		Woodland Recycling & Disposal Facility				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2014			<b>Chemical CAS No:</b>	64742547	
<b>LEPC:</b>	Kane			<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>	8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,	
<b>Facility Fax:</b>	2242441126			<b>Max Daily Amt(lbs):</b>	25,000-49,999	
<b>Facility Latitude:</b>	41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-24,999	
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2006			<b>Chemical CAS No:</b>	N/A	
<b>LEPC:</b>	Kane			<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>	8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,	
<b>Facility Fax:</b>	2242441126			<b>Max Daily Amt(lbs):</b>	100,000-999,999	
<b>Facility Latitude:</b>	41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-99,999	
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		LANDFILL LEACHATE/GAS CONDENSATE				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>		Reid Root				
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>	2017			<b>Chemical CAS No:</b>	64742547	
<b>LEPC:</b>	Kane			<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>	8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,	
<b>Facility Fax:</b>	2242441126			<b>Max Daily Amt(lbs):</b>	25,000-49,999	
<b>Facility Latitude:</b>	41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-24,999	
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2009		<b>Chemical CAS No:</b>	107211	
<b>LEPC:</b>		Kane		<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>		8478417208		<b>Chemical Contents:</b>	Mixture, Liquid,	
<b>Facility Fax:</b>		2242441126		<b>Max Daily Amt(lbs):</b>	10,000-99,999	
<b>Facility Latitude:</b>		41.9911		<b>Avg Daily Amt(lbs):</b>	1,000-9,999	
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2006		<b>Chemical CAS No:</b>	N/A	
<b>LEPC:</b>		Kane		<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>		8478417208		<b>Chemical Contents:</b>	Mixture, Gas,	
<b>Facility Fax:</b>		2242441126		<b>Max Daily Amt(lbs):</b>	100,000-999,999	
<b>Facility Latitude:</b>		41.9911		<b>Avg Daily Amt(lbs):</b>	100,000-999,999	
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		LANDFILL GAS				
<b>Chem Health Haz:</b>		Fire, Pressure, Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>		Reid Root				
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>		2015		<b>Chemical CAS No:</b>	64742547	
<b>LEPC:</b>		Kane		<b>Chemical EHS:</b>	No	
<b>Facility Phone:</b>		8478417208		<b>Chemical Contents:</b>	Mixture, Liquid,	
<b>Facility Fax:</b>		2242441126		<b>Max Daily Amt(lbs):</b>	25,000-49,999	
<b>Facility Latitude:</b>		41.9911		<b>Avg Daily Amt(lbs):</b>	10,000-24,999	
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Waste Management of Illinois, Inc.				
<b>Owner Street:</b>		720 E Butterfield Road, Suite 400				
<b>Owner City:</b>		Lombard				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60148-5661				
<b>Owner Phone:</b>		6308884611				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2018				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2020				<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	25,000-49,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2013				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2018			<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	25,000-49,999
<b>Facility Latitude:</b>		41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2016			<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>		41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2016			<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	25,000-49,999
<b>Facility Latitude:</b>		41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing State:		WI				
Mailing Zip Code:		53051				
Report Year:	2007				Chemical CAS No:	N/A
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Gas,
Facility Fax:	2242441126				Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	100,000-999,999
Facility Longitude:	-88.314					
Corporate Name:	Woodland Recycling & Disposal Facility					
Fire Dept:						
Chemical Name:	LANDFILL GAS					
Chem Health Haz:	Fire, Pressure, Immediate, Delayed,					
Owner:	Reid Root					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8476972435					
Mailing Name:	Reid Root					
Mailing Street:	7N 500 Route 25					
Mailing City:	South Elgin					
Mailing State:	IL					
Mailing Zip Code:	60177					
Report Year:	2012				Chemical CAS No:	107211
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.314					
Corporate Name:	Woodland Recycling & Disposal Facility					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	ANTI-FREEZE (ETHYLENE GLYCOL)					
Chem Health Haz:	Fire, Immediate,					
Owner:	WASTE MANAGEMENT OF ILLINOIS INC					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8478417208					
Mailing Name:	Woodland Recycling & Disposal Facility					
Mailing Street:	W124 N9355 Boundary Road					
Mailing City:	Menomonee Falls					
Mailing State:	WI					
Mailing Zip Code:	53051					
Report Year:	2019				Chemical CAS No:	64742547
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	25,000-49,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.314					
Corporate Name:	Waste Management of Illinois, Inc.					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	OIL (MOTOR & USED)					
Chem Health Haz:	Immediate, Delayed,					
Owner:	WASTE MANAGEMENT OF ILLINOIS INC					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8478417208					
Mailing Name:	Waste Management of Illinois, Inc					
Mailing Street:	W124 N9355 Boundary Road					
Mailing City:	Menomonee Falls					
Mailing State:	WI					
Mailing Zip Code:	53051					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Report Year:</b>	2019				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>	Waste Management of Illinois, Inc.					
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District					
<b>Chemical Name:</b>	ANTI-FREEZE (ETHYLENE GLYCOL)					
<b>Chem Health Haz:</b>	Fire, Immediate,					
<b>Owner:</b>	WASTE MANAGEMENT OF ILLINOIS INC					
<b>Owner Street:</b>	7N 500 Route 25					
<b>Owner City:</b>	South Elgin					
<b>Owner State:</b>	IL					
<b>Owner Zip Code:</b>	60177					
<b>Owner Phone:</b>	8478417208					
<b>Mailing Name:</b>	Waste Management of Illinois, Inc					
<b>Mailing Street:</b>	W124 N9355 Boundary Road					
<b>Mailing City:</b>	Menomonee Falls					
<b>Mailing State:</b>	WI					
<b>Mailing Zip Code:</b>	53051					
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>	Woodland Recycling & Disposal Facility					
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District					
<b>Chemical Name:</b>	ANTI-FREEZE (ETHYLENE GLYCOL)					
<b>Chem Health Haz:</b>	Fire, Immediate,					
<b>Owner:</b>	Daniel Fay					
<b>Owner Street:</b>	7N 500 Route 25					
<b>Owner City:</b>	South Elgin					
<b>Owner State:</b>	IL					
<b>Owner Zip Code:</b>	60177					
<b>Owner Phone:</b>	8478417208					
<b>Mailing Name:</b>	Woodland Recycling & Disposal Facility					
<b>Mailing Street:</b>	W124 N9355 Boundary Road					
<b>Mailing City:</b>	Menomonee Falls					
<b>Mailing State:</b>	WI					
<b>Mailing Zip Code:</b>	53051					
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>	Woodland Recycling & Disposal Facility					
<b>Fire Dept:</b>	South Elgin-Countryside Fire Protection District					
<b>Chemical Name:</b>	OIL (MOTOR & USED)					
<b>Chem Health Haz:</b>	Immediate, Delayed,					
<b>Owner:</b>	Daniel Fay					
<b>Owner Street:</b>	7N 500 Route 25					
<b>Owner City:</b>	South Elgin					
<b>Owner State:</b>	IL					
<b>Owner Zip Code:</b>	60177					
<b>Owner Phone:</b>	8478417208					
<b>Mailing Name:</b>	Woodland Recycling & Disposal Facility					
<b>Mailing Street:</b>	W124 N9355 Boundary Road					
<b>Mailing City:</b>	Menomonee Falls					
<b>Mailing State:</b>	WI					
<b>Mailing Zip Code:</b>	53051					
<b>Report Year:</b>	2006				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.314					
Corporate Name:	Woodland Recycling & Disposal Facility					
Fire Dept:						
Chemical Name:	DIESEL FUEL OIL, NO. 2					
Chem Health Haz:	Fire, Immediate, Delayed,					
Owner:	Reid Root					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8476972435					
Mailing Name:	Reid Root					
Mailing Street:	7N 500 Route 25					
Mailing City:	South Elgin					
Mailing State:	IL					
Mailing Zip Code:	60177					
Report Year:	2006				Chemical CAS No:	64742547
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	1,000-9,999
Facility Longitude:	-88.314					
Corporate Name:	Woodland Recycling & Disposal Facility					
Fire Dept:						
Chemical Name:	OIL (MOTOR & WASTE)					
Chem Health Haz:	Immediate, Delayed,					
Owner:	Reid Root					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8476972435					
Mailing Name:	Reid Root					
Mailing Street:	7N 500 Route 25					
Mailing City:	South Elgin					
Mailing State:	IL					
Mailing Zip Code:	60177					
Report Year:	2007				Chemical CAS No:	N/A
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9911				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.314					
Corporate Name:	Woodland Recycling & Disposal Facility					
Fire Dept:						
Chemical Name:	LANDFILL LEACHATE/GAS CONDENSATE					
Chem Health Haz:	Immediate, Delayed,					
Owner:	Reid Root					
Owner Street:	7N 500 Route 25					
Owner City:	South Elgin					
Owner State:	IL					
Owner Zip Code:	60177					
Owner Phone:	8476972435					
Mailing Name:	Reid Root					
Mailing Street:	7N 500 Route 25					
Mailing City:	South Elgin					
Mailing State:	IL					
Mailing Zip Code:	60177					
Report Year:	2005				Chemical CAS No:	68476-30-2
LEPC:					Chemical EHS:	No
Facility Phone:	8478417208				Chemical Contents:	Mixture, Liquid,
Facility Fax:	2242441126				Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	0				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	0					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Corporate Name:</b>						
<b>Fire Dept:</b>						
<b>Chemical Name:</b> DIESEL FUEL OIL, [NO. 2]						
<b>Chem Health Haz:</b> Fire, Immediate, Delayed,						
<b>Owner:</b> Reid Root						
<b>Owner Street:</b> 7N 500 Route 25						
<b>Owner City:</b> South Elgin						
<b>Owner State:</b> IL						
<b>Owner Zip Code:</b> 60177						
<b>Owner Phone:</b> 8476972435						
<b>Mailing Name:</b>						
<b>Mailing Street:</b> 7N 500 Route 25						
<b>Mailing City:</b> South Elgin						
<b>Mailing State:</b> IL						
<b>Mailing Zip Code:</b> 60177						
<b>Report Year:</b> 2008						
<b>LEPC:</b> Kane						
<b>Facility Phone:</b> 8478417208						
<b>Facility Fax:</b> 2242441126						
<b>Facility Latitude:</b> 41.9911						
<b>Facility Longitude:</b> -88.314						
<b>Corporate Name:</b> Woodland Recycling & Disposal Facility						
<b>Fire Dept:</b> South Elgin-Countryside Fire Protection District						
<b>Chemical Name:</b> OIL (MOTOR & WASTE)						
<b>Chem Health Haz:</b> Immediate, Delayed,						
<b>Owner:</b> Reid Root						
<b>Owner Street:</b> 7N 500 Route 25						
<b>Owner City:</b> South Elgin						
<b>Owner State:</b> IL						
<b>Owner Zip Code:</b> 60177						
<b>Owner Phone:</b> 8476972435						
<b>Mailing Name:</b> Reid Root						
<b>Mailing Street:</b> 7N 500 Route 25						
<b>Mailing City:</b> South Elgin						
<b>Mailing State:</b> IL						
<b>Mailing Zip Code:</b> 60177						
<b>Report Year:</b> 2021						
<b>LEPC:</b> Kane						
<b>Facility Phone:</b> 8478417208						
<b>Facility Fax:</b> 2242441126						
<b>Facility Latitude:</b> 41.9911						
<b>Facility Longitude:</b> -88.314						
<b>Corporate Name:</b> Waste Management of Illinois, Inc.						
<b>Fire Dept:</b> South Elgin-Countryside Fire Protection District						
<b>Chemical Name:</b> OIL (MOTOR & USED)						
<b>Chem Health Haz:</b> Immediate, Delayed,						
<b>Owner:</b> WASTE MANAGEMENT OF ILLINOIS INC						
<b>Owner Street:</b> 7N 500 Route 25						
<b>Owner City:</b> South Elgin						
<b>Owner State:</b> IL						
<b>Owner Zip Code:</b> 60177						
<b>Owner Phone:</b> 8478417208						
<b>Mailing Name:</b> Waste Management of Illinois, Inc						
<b>Mailing Street:</b> W124 N9355 Boundary Road						
<b>Mailing City:</b> Menomonee Falls						
<b>Mailing State:</b> WI						
<b>Mailing Zip Code:</b> 53051						
<b>Report Year:</b> 2005						
<b>LEPC:</b>						
<b>Facility Phone:</b> 8478417208						
<b>Facility Fax:</b> 2242441126						
<b>Facility Latitude:</b> 0						
<b>Facility Longitude:</b> 0						
<b>Corporate Name:</b>						
<b>Fire Dept:</b>						
<b>Chemical Name:</b> Landfill Leachate/Gas Condensate (Haz. Organic Phase)						
<b>Chemical CAS No:</b> 64742547						
<b>Chemical EHS:</b> No						
<b>Chemical Contents:</b> Mixture, Liquid,						
<b>Max Daily Amt(lbs):</b> 1,000-9,999						
<b>Avg Daily Amt(lbs):</b> 1,000-9,999						
<b>Chemical CAS No:</b> 64742547						
<b>Chemical EHS:</b> No						
<b>Chemical Contents:</b> Mixture, Liquid,						
<b>Max Daily Amt(lbs):</b> 25,000-49,999						
<b>Avg Daily Amt(lbs):</b> 10,000-24,999						
<b>Chemical CAS No:</b> N/A						
<b>Chemical EHS:</b> No						
<b>Chemical Contents:</b> Mixture, Liquid,						
<b>Max Daily Amt(lbs):</b> 100,000-999,999						
<b>Avg Daily Amt(lbs):</b> 100,000-999,999						

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>	2020				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2017				<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2011				<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & USED)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		OIL (MOTOR & WASTE)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>	2007				<b>Chemical CAS No:</b>	64742547
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Latitude:</b>	41.9911				<b>Avg Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Longitude:</b>	-88.314					
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		OIL (MOTOR & WASTE)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>		Reid Root				
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>	2005				<b>Chemical CAS No:</b>	N/A
<b>LEPC:</b>					<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Latitude:</b>	0				<b>Avg Daily Amt(lbs):</b>	100-999
<b>Facility Longitude:</b>	0					
<b>Corporate Name:</b>						
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		Landfill Leachate/Gas Condensate (Non-Haz. Aqueous Phase)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>		2011			<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>		41.9911			<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>		-88.314				
<b>Corporate Name:</b>		Woodland Recycling & Disposal Facility				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		WASTE MANAGEMENT OF ILLINOIS INC				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8478417208				
<b>Mailing Name:</b>		Woodland Recycling & Disposal Facility				
<b>Mailing Street:</b>		W124 N9355 Boundary Road				
<b>Mailing City:</b>		Menomonee Falls				
<b>Mailing State:</b>		WI				
<b>Mailing Zip Code:</b>		53051				
<b>Report Year:</b>		2005			<b>Chemical CAS No:</b>	N/A
<b>LEPC:</b>					<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Gas,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>		0			<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>		0				
<b>Corporate Name:</b>						
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		Landfill Gas				
<b>Chem Health Haz:</b>		Fire, Pressure, Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				
<b>Report Year:</b>		2022			<b>Chemical CAS No:</b>	107211
<b>LEPC:</b>		Kane			<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>		8478417208			<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>		2242441126			<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>		41.9806			<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>		-88.2744				
<b>Corporate Name:</b>		Waste Management of Illinois, Inc.				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		ANTI-FREEZE (ETHYLENE GLYCOL)				
<b>Chem Health Haz:</b>		Fire, Immediate,				
<b>Owner:</b>		Waste Management of Illinois, Inc.				
<b>Owner Street:</b>		720 E Butterfield Road, Suite 400				
<b>Owner City:</b>		Lombard				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60148-5661				
<b>Owner Phone:</b>		6308884611				
<b>Mailing Name:</b>		Waste Management of Illinois, Inc				
<b>Mailing Street:</b>		720 E Butterfield Road, Suite 400				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Mailing City:</b>		Lombard				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60148-5661				
<b>Report Year:</b>	2005				<b>Chemical CAS No:</b>	64742-54-7
<b>LEPC:</b>					<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8478417208				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>	2242441126				<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	0				<b>Avg Daily Amt(lbs):</b>	1,000-9,999
<b>Facility Longitude:</b>	0					
<b>Corporate Name:</b>						
<b>Fire Dept:</b>						
<b>Chemical Name:</b>		Oil (Motor, Hydraulic, Gear & Waste)				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Reid Root				
<b>Owner Street:</b>		7N 500 Route 25				
<b>Owner City:</b>		South Elgin				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60177				
<b>Owner Phone:</b>		8476972435				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N 500 Route 25				
<b>Mailing City:</b>		South Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60177				

<a href="#">10</a>	9 of 11	WSW	0.05 / 269.33	758.46 / -29	Woodland RDF - 170000617866 7n500 Rte 25 South Elgin IL 60177	LUST DOCUMENT
<b>Site ID (Map):</b>						
<b>System ID (Map):</b>						
<b>Program ID (Web):</b>		0894830005				
<b>Interest Type (Map):</b>						
<b>Media Code (Map):</b>						
<b>Category (Web):</b>		Leaking UST Technical				
<b>Doc Indicator (Map):</b>						
<b>Doc Count (Web):</b>		6				
<b>Total Pages (Web):</b>		21				
<b>Rev Dt Time (Map):</b>						
<b>Collection Date (Map):</b>						
<b>Name (Web):</b>		Woodland RDF - 170000617866				
<b>Address (Web):</b>		7n500 Rte 25				
<b>Name (Map):</b>						
<b>Address (Map):</b>						
<b>Category URL (Web):</b>		https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1Ym9yY1xUHDkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0lFUEFJRf09ljE3MDAwMDYxNzg2NilgQU5EIFtDQVRFR09SWV09ljlxQSI1				
<b>Data Source:</b>		IEPA Document Explorer - Facility/Site Search (Web)				
<b>Note:</b>		Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer				

<a href="#">10</a>	10 of 11	WSW	0.05 / 269.33	758.46 / -29	Woodland Rdf 7n500 Rte 25 South Elgin IL 60177	AIR PERMITS
<b>Note:</b>		Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer				
<b>Data Source:</b>		IEPA Source Water Assessment Program (SWAP) & Mapping Tool (Map); IEPA Document Explorer - Facility/Site Search (Web)				

#### IEPA Document Explorer

**Name:** Woodland RDF - 170000617866  
**Address:** 7n500 Rte 25

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City:		South Elgin				
State:		IL				
Zip Code:		60177				

#### Details

Program ID:	089813AAJ	Category:	Air Permit - Final
Document Count:	4	Originating Bureau:	Bureau of Air
Total Pages:	288		
Category Url:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=1b656d23-1604-4539-a9f5-215aaae67008&tw=Results&q=W0IFUEFJRF09ljE3MDAwMDYxNzg2NilgQU5EIFtDQVRFR09SWV09ljAzSy1		

#### IEPA Source Water Assessment Program (SWAP) & Mapping Tool

Name:	Woodland Rdf
Location Addr 3:	7n500 Rte 25
City Name:	South Elgin
State Code:	IL
Postal Code:	60177

#### Details

Indicator:	Yes	Revision Dt Time:	06/30/2003
Site ID:	170000617866	Collection Dt:	10/20/2003
System ID:	089813AAJ	Latitude Measure:	41.984517
RID:	239543	Longitude Measure:	-88.280477
Interest Type:	PERMIT	Point X:	-88.28047699999996
Media Code:	AIR	Point Y:	41.984517000000004

#### Details

Indicator:	Yes	Revision Dt Time:	6/30/2003
Site ID:	170000617866	Collection Dt:	4/3/2019
System ID:	089813AAJ	Latitude Measure:	41.983302
RID:	239543	Longitude Measure:	-88.276282
Interest Type:	PERMIT	Point X:	-88.27628199999998
Media Code:	AIR	Point Y:	41.983302000000004

<a href="#">10</a>	11 of 11	WSW	0.05 / 269.33	758.46 / -29	WOODLAND RECYCLING AND DISPOSAL FACILITY	PFAS IND
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#### SOUTH ELGIN IL

Status:	Unknown	Fac Fips Code:	17089
Fac Indian Cntry Flg:	No	Compliance Status:	-
Fac Derived Huc:	07120007	EPA Programs:	-
Fac Derived Wbd:	071200070101	Federal Facility:	No
Fac Derived Cd113:	06	Federal Agency:	-
Fac Derived Cb2010:	170898520012002	Fac Snc Flg:	No
Fac Informal Count:	0	AIR Flag:	No
Last Informal Action:	-	NPDES Flag:	No
Formal Action Count:	0	SDWIS Flag:	No
Last Formal Action:	-	RCRAFlag:	No
Fac Total Penalties:	0	TRI Flag:	No
Fac Penalty Count:	-	GHG Flag:	Yes
Date Last Penalty:	-	TRI IDs:	-
Last Penalty Amt:	-	TRI Releases Trnsfrs:	-
Fac Qtrs With Nc:	-	TRI on Site Releases:	-
Programs With Snc:	0	TRI off Site Trnsfrs:	-
Fac Percent Minority:	34.97	TRI Reporter:	-
Fac Pop Den:	1270.31	Fac Imp Water Flg:	-
Count:	1	Fac Major Flag:	-



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Fac County:</b>	KANE				<b>Fac Active Flag:</b>	-
<b>State Other :</b>					<b>Fac Inspection Count:</b>	0
<b>Region:</b>	05				<b>Date Last Inspection:</b>	-
<b>Latitude:</b>	41.981018				<b>Days Last Inspection:</b>	-
<b>Longitude:</b>	-88.274445					
<b>Fac Derived Tribes:</b>	-					
<b>AIR IDs:</b>	-					
<b>CAA Permit Types:</b>	-					
<b>CAA NAICS:</b>	-					
<b>CAA SICS:</b>	-					
<b>NPDES IDs:</b>	-					
<b>CWA Permit Types:</b>	-					
<b>CWA NAICS:</b>	-					
<b>CWA SICS:</b>	-					
<b>RCRA IDs:</b>	-					
<b>RCRA Permit Types:</b>	-					
<b>RCRA NAICS:</b>	-					
<b>SDWA IDs:</b>	-					
<b>SDWA System Types:</b>	-					
<b>SDWA Compliance Status:</b>	-					
<b>SDWA Snc Flag:</b>	No					
<b>Fac Collection Meth:</b>	INTERPOLATION-PHOTO					
<b>EJSCREEN Flag Us:</b>	No					
<b>EJSCREEN Report:</b>	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.274445,%22y%22:41.981018,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1					
<b>ECHO Facility Report:</b>	https://echo.epa.gov/detailed-facility-report?fid=110001962378					
<b>Industry:</b>	Waste Management					

<a href="#">11</a>	1 of 1	<b>NNE</b>	<b>0.09 / 487.73</b>	<b>770.31 / -17</b>	<b>ELGIN LDFL RT 25 SOUTH ELGIN IL 60177</b>	<b>SEMS</b>
<b>EPA ID:</b>	ILD981960800			<b>Latitude:</b>	+41.986111	
<b>Pgm Sys ID (Map):</b>	ILD981960800			<b>Longitude:</b>	-088.269444	
<b>Latitude83 (Map):</b>				<b>Latitude83 (OD):</b>		
<b>Longitude83 (Map):</b>				<b>Longitude83 (OD):</b>		
<b>Primary Nm (Map):</b>	ELGIN LDFL					
<b>Loc Addr (Map):</b>	RT 25					
<b>Site Name:</b>	ELGIN LDFL					
<b>Street Address:</b>	RT 25					
<b>Street Address 2:</b>						
<b>City:</b>	SOUTH ELGIN					
<b>County:</b>	KANE					
<b>PGM SYS ID (OD):</b>	ILD981960800					
<b>Name (OD):</b>	ELGIN LDFL					
<b>Loc Addr (OD):</b>	RT 25					
<b>City (OD):</b>	SOUTH ELGIN					
<b>County (OD):</b>	KANE					
<b>Postal (OD):</b>	60177					
<b>County Name (Map):</b>	KANE					
<b>City Name (Map):</b>	SOUTH ELGIN					
<b>Postal Code (Map):</b>	60177					
<b>State:</b>	IL					
<b>Zip:</b>	60177					
<b>Data Source:</b>	EPA Superfund Data and Reports Active Site Inventory (List 8R Active) (as of 26 Feb 2025); EPA FRS Interests Map - SEMS (as of 25 Aug 2024); CalOES EPA RCRA TSDF Map - SEMS (as of 25 Aug 2024)					

#### Site Level Information

<b>Site ID:</b>	0505269	<b>Superfund Alt Agmt:</b>	No
<b>NPL:</b>	Site is Part of NPL Site	<b>FIPS Code:</b>	17089
<b>Federal Facility:</b>	No	<b>Cong District:</b>	14
<b>FF Docket:</b>	No	<b>Region:</b>	05
<b>Non NPL Status:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Action Information

Site ID:	0505269	Start Actual:	9/30/1988 4:00:00 AM
Operable Units:	00	Finish Actual:	9/30/1988 4:00:00 AM
Action Code:	PA	Qual:	H
Action Name:	PA	Curr Action Lead:	St Perf
SEQ:	1		
Region:	05		
FF Docket:	No		
NPL:	A		
Federal Facility:	No		

Site ID:	0505269	Start Actual:	11/3/1989 5:00:00 AM
Operable Units:	00	Finish Actual:	11/3/1989 5:00:00 AM
Action Code:	SI	Qual:	H
Action Name:	SI	Curr Action Lead:	St Perf
SEQ:	1		
Region:	05		
FF Docket:	No		
NPL:	A		
Federal Facility:	No		

Site ID:	0505269	Start Actual:	8/1/1987 4:00:00 AM
Operable Units:	00	Finish Actual:	8/1/1987 4:00:00 AM
Action Code:	DS	Qual:	
Action Name:	DISCVRY	Curr Action Lead:	EPA Perf
SEQ:	1		
Region:	05		
FF Docket:	No		
NPL:	A		
Federal Facility:	No		

#### GIS Information

Registry ID:	110071101117	Pgm Sys Acnm:	SEMS
Active Status:	SITE IS PART OF NPL SITE	Accuracy Value:	
Key Field:	SEMSILD981960800	HUC8 Code:	07120007
Interest Type:	SUPERFUND (NON-NPL)	HUC 12:	
Fed Agency Name:		Public Ind:	Yes
Fed Facility Code:		Pgm Report:	no data yet
Federal Land Ind:		Point X:	-88.26944399999996
EPA Region Code:	05	Point Y:	41.98611100000005
Fips Code:	17089		
Collect Mth Desc:			
Ref Point Desc:			
Latitude83:	41.986111		
Longitude83:	-88.269444		
Fac Url:	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117</a>		
Program Url:			
Pgm Report Url:	no data yet		

#### CalOES EPA RCRA TSD Map - SEMS Details

Registry ID:	110071101117	HUC 12:	
Interest Type:	SUPERFUND (NON-NPL)	Collect Mth Desc:	
Active Status:	SITE IS PART OF NPL SITE	Accuracy Value:	
Pgm Sys Acnm:	SEMS	Ref Point Desc:	
Federal Agency Nm:		EPA Region Code:	05
Federal Land Ind:		Key Field:	SEMSILD981960800
Fed Facility Cd:		Create Dt:	10/26/2021
Public Ind:	Yes	Update Dt:	11/24/2021
FIPS Code:	17089	Last Reported Dt:	
HUC8 Code:	07120007		
Longitude83:	-88.269444		
Latitude83:	41.986111		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Pgm Report Url:		no data yet				
Program URL:						
Fac Url:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117				
<a href="#">12</a>	1 of 1	W	0.12 / 620.32	750.60 / -37	WOODLAND RECYCLING AND DISPOSAL FACILITY	PFAS IND
SOUTH ELGIN IL						
Status:		Active		Fac Fips Code:		17089
Fac Indian Cntry Flg:		No		Compliance Status:		No Violation Identified
Fac Derived Huc:		07120007		EPA Programs:		CAA
Fac Derived Wbd:		071200070101		Federal Facility:		No
Fac Derived Cd113:		06		Federal Agency:		-
Fac Derived Cb2010:		170898520012002		Fac Snc Flg:		No
Fac Informal Count:		0		AIR Flag:		Yes
Last Informal Action:		-		NPDES Flag:		No
Formal Action Count:		0		SDWIS Flag:		No
Last Formal Action:		-		RCRAFlag:		No
Fac Total Penalties:		0		TRI Flag:		No
Fac Penalty Count:		-		GHG Flag:		No
Date Last Penalty:		-		TRI IDs:		-
Last Penalty Amt:		-		TRI Releases Trnsfrs:		-
Fac Qtrs With Nc:		0		TRI on Site Releases:		-
Programs With Snc:		0		TRI off Site Trnsfrs:		-
Fac Percent Minority:		38.239		TRI Reporter:		-
Fac Pop Den:		1419.53		Fac Imp Water Flg:		-
Count:		1		Fac Major Flag:		Yes
Fac County:		KANE COUNTY		Fac Active Flag:		Yes
State Other :				Fac Inspection Count:		1
Region:		05		Date Last Inspection:		2/17/2022
Latitude:		41.983302		Days Last Inspection:		1031
Longitude:		-88.276282				
Fac Derived Tribes:		-				
AIR IDs:		IL000089813AAJ				
CAA Permit Types:		Major Emissions				
CAA NAICS:		562212				
CAA SICS:		4953				
NPDES IDs:		-				
CWA Permit Types:		-				
CWA NAICS:		-				
CWA SICS:		-				
RCRA IDs:		-				
RCRA Permit Types:		-				
RCRA NAICS:		-				
SDWA IDs:		-				
SDWA System Types:		-				
SDWA Compliance Status:		-				
SDWA Snc Flag:		No				
Fac Collection Meth:		INTERPOLATION-PHOTO				
EJSCREEN Flag Us:		No				
EJSCREEN Report:		https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.276282,%22y%22:41.983302,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1				
ECHO Facility Report:		https://echo.epa.gov/detailed-facility-report?fid=110063232023				
Industry:		Waste Management				

<a href="#">13</a>	1 of 1	NE	0.15 / 789.13	757.84 / -30	BLUFF CITY MATERIALS, INC.	MINES
S. Elgin IL						
Mine ID:		1102962		Miles from Office:		75
Status Code:		4		SIC:		144200
Mine Status:		Permanently Abandoned		Primary SIC:		Construction Sand and Gravel
Status Date:		20121213		Primary SIC CD 1:		1442
Operation Class:		2 - Non-coal mining		Primary SIC CD SFX:		00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Company Type:</b>	Corporation				<b>Primary Canvass:</b>	SandAndGravel
<b>Assess Ctrl No:</b>	000311728				<b>Primary Canvass CD:</b>	5
<b>Current Mine Type:</b>	Surface				<b>Secondary SIC:</b>	
<b>Currnt Mine Status:</b>	Abandoned				<b>Secondary SIC 1:</b>	000000
<b>Current Status Dt:</b>	12/13/2012				<b>Secondary SIC 2:</b>	000000
<b>Curr Controller ID:</b>	M09146				<b>Secondary SIC 3:</b>	000000
<b>Curr Cont Begin Dt:</b>	04/01/1994				<b>Secondary SIC 4:</b>	000000
<b>Curr Operator ID:</b>	L11868				<b>Secondary SIC 5:</b>	000000
<b>Coal Metal Ind:</b>	M				<b>Secondary SIC CD:</b>	
<b>Mine Gas Ctgry CD:</b>					<b>Secondary SIC CD 1:</b>	
<b>Miners Rep Ind:</b>	No				<b>Sec SIC CD Sfx:</b>	
<b>Mines Prim SIC CD:</b>	144200				<b>Sec Canvass CD:</b>	
<b>Mines State:</b>	IL				<b>Secondary Canvass:</b>	
<b>No Employees:</b>	0				<b>Primary SIC CD:</b>	Construction Sand and Gravel
<b>No Non-Prod Pits:</b>					<b>Country:</b>	USA
<b>No Producing Pits:</b>					<b>Province:</b>	
<b>No Tailing Ponds:</b>	0				<b>Postal CD:</b>	
<b>No of Pits:</b>	000				<b>State Abbrev:</b>	IL
<b>No of Plants:</b>	0				<b>County Code:</b>	089
<b>No of Shops:</b>	0				<b>State Code:</b>	17
<b>Current 103I:</b>	Never Had 103I Status				<b>District:</b>	M4
<b>Current 103I Dt:</b>					<b>BOM State CD:</b>	11
<b>Portable Operation:</b>	No				<b>FIPS Cnty CD:</b>	089
<b>Portble FIPS St CD:</b>					<b>FIPS Cnty Nm:</b>	Kane
<b>Days Per Week:</b>	0				<b>Cong Dist CD:</b>	
<b>Hours Per Shift:</b>	0				<b>Contact Title:</b>	Controller
<b>Prod Shift Per Day:</b>	0				<b>FIPS State CD:</b>	17
<b>Maint Shift PerDay:</b>	0				<b>Lat Deg:</b>	41
<b>Part48 Training:</b>	Yes				<b>Lat Min:</b>	59
<b>Avg Mine Height:</b>					<b>Lat Sec:</b>	10
<b>Methane Liberation:</b>					<b>Long Deg:</b>	088
<b>Multiple Pits:</b>	No				<b>Long Min:</b>	16
<b>Safety Committ Ind:</b>	No				<b>Long Sec:</b>	03
<b>Office CD:</b>	M4821				<b>Latitude:</b>	41.986388
<b>Office Name:</b>	Peru IL Field Office				<b>Longitude:</b>	-88.267777
<b>Entity Name:</b>	RAYMOND ST					
<b>Current Mine Name:</b>	Raymond St					
<b>Curr Controller Name:</b>	Michael P Vondra					
<b>Curr Operator Name:</b>	Bluff City Materials, Inc.					
<b>Status Description:</b>	The mine has been permanently shut down.					
<b>Pillar Recovery Used:</b>	No					
<b>Highwall Miner Used:</b>	No					
<b>Directions to Mine:</b>	Located at 1400 Rt. 25 South Elgin, IL 5 miles West of Bartlett, WI					
<b>Street:</b>	2252 Southwind Blvd					
<b>City:</b>	Bartlett					
<b>Po Box:</b>						
<b>State Abbr:</b>	IL					
<b>State:</b>	Illinois					
<b>Zip Code:</b>	60103					
<b>Data Source:</b>	Master Index File;MINES Data Set					

#### Violation Details

<b>Event No:</b>	1001232	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185386	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	10/11/2007
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1019
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	10/11/2007
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	10/11/2007
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	10/12/2007

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	10/11/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/11/2007
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1125
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561043				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/09/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0720
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/09/2010
<b>Amount Due:</b>	138				<b>Orig Term Due Dt:</b>	09/09/2010
<b>Amount Paid:</b>	138				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1139
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12019
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	138				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001232				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185384				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1320
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	10/10/2007
<b>Amount Due:</b>	112				<b>Orig Term Due Dt:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Amount Paid:</b>	112				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	
<b>Cit Ord Safe:</b>	Order				<b>Latest Term Due Tm:</b>	
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/10/2007
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1545
<b>No Affected:</b>	2				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	46.5(d)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(g)(1)
<b>Proposed Penalty:</b>	112				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183367				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/12/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1635
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/12/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/12/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1700
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/12/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1700
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/12/2005
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1650
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.16006
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989343				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/04/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2006
<b>Violation No:</b>	6183558				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/29/2005



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1030
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/29/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	11/29/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1600
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/29/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	11/30/2005
<b>Bill Print Dt:</b>	01/18/2006				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	05/11/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	11/29/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/01/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1351
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555461	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violtn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0743
<b>Likelihood:</b>	NoLikelihood	<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/29/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/29/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	NoLostDays	<b>Termination Time:</b>	0953
<b>No Affected:</b>	0	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.14130(h)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	6571403	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561035	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/08/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1400
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/08/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	09/12/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	0700
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/12/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0700
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1115
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4201(a)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555459				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1404
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/17/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/17/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/17/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1408
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.44(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0800411				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/23/2001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831089				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0840
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001				<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0900
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4402
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6580609				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	01/16/2013
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2013
<b>Violation No:</b>	8670613				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	2
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/17/2012
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1533
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	10/17/2012
<b>Amount Due:</b>	150				<b>Orig Term Due Dt:</b>	10/18/2012
<b>Amount Paid:</b>	150				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/17/2012
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/24/2012
<b>Bill Print Dt:</b>	12/12/2012				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012				<b>Latest Term Due Dt:</b>	10/18/2012
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/18/2012
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0930
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4200(b)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	150				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Event No:	0800411				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	03/23/2001
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2001
Violation No:	7831091				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	0
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	01/17/2001
Mine Type:	Surface				Violatn Issue Time:	0928
Likelihood:	Unlikely				Violation Occur Dt:	01/17/2001
Amount Due:	55				Orig Term Due Dt:	
Amount Paid:	55				Orig Term Due Tm:	
Asmt Generated Ind:	No				Inspectn Begin Dt:	01/16/2001
Asses Case Stat Cd:	Closed				Inspection End Dt:	01/18/2001
Bill Print Dt:	02/22/2001				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	03/23/2001
Cal Yr:	2001				Latest Term Due Dt:	01/18/2001
Cit Ord Safe:	Citation				Latest Term Due Tm:	0800
Coal Metal Ind:	M				Termination Dt:	01/18/2001
Inj Illness:	LostDays				Termination Time:	0855
No Affected:	1				Termination Type:	Terminated
Negligence:	LowNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12008
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:	01/17/2001				Section of Act 1:	104(a)
Proposed Penalty:	55				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	1001506				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	04/17/2008
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2008
Violation No:	6404525				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	1
Docket Stat Cd:					Violation Issue Dt:	01/29/2008
Mine Type:	Surface				Violatn Issue Time:	1230
Likelihood:	Unlikely				Violation Occur Dt:	01/29/2008
Amount Due:	100				Orig Term Due Dt:	01/31/2008
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	01/29/2008
Asses Case Stat Cd:	Closed				Inspection End Dt:	01/30/2008
Bill Print Dt:	03/12/2008				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	04/21/2008
Cal Yr:	2008				Latest Term Due Dt:	01/31/2008
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	02/12/2008
Inj Illness:	LostDays				Termination Time:	1013
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14110
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violation Details</b>						
Event No:	1001506				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	04/17/2008
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2008
Violation No:	6404522				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	1
Docket Stat Cd:					Violation Issue Dt:	01/29/2008
Mine Type:	Surface				Violatn Issue Time:	1047
Likelihood:	Unlikely				Violation Occur Dt:	01/29/2008
Amount Due:	100				Orig Term Due Dt:	01/30/2008
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	01/29/2008
Asses Case Stat Cd:	Closed				Inspection End Dt:	01/30/2008
Bill Print Dt:	03/12/2008				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	04/21/2008
Cal Yr:	2008				Latest Term Due Dt:	01/30/2008
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	01/30/2008
Inj Illness:	LostDays				Termination Time:	1330
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14110
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	0800411				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	03/23/2001
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2001
Violation No:	7831092				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	0
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	01/17/2001
Mine Type:	Surface				Violatn Issue Time:	0930
Likelihood:	Unlikely				Violation Occur Dt:	01/17/2001
Amount Due:	55				Orig Term Due Dt:	
Amount Paid:	55				Orig Term Due Tm:	
Asmt Generated Ind:	No				Inspectn Begin Dt:	01/16/2001
Asses Case Stat Cd:	Closed				Inspection End Dt:	01/18/2001
Bill Print Dt:	02/22/2001				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	03/23/2001
Cal Yr:	2001				Latest Term Due Dt:	01/18/2001
Cit Ord Safe:	Citation				Latest Term Due Tm:	0800
Coal Metal Ind:	M				Termination Dt:	01/18/2001
Inj Illness:	LostDays				Termination Time:	0850
No Affected:	1				Termination Type:	Terminated
Negligence:	LowNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12032
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:	01/17/2001				Section of Act 1:	104(a)
Proposed Penalty:	55				Section of Act 2:	
Mine Name:		Raymond St				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	0989343			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	03/04/2006	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2006	
<b>Violation No:</b>	6183557			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	11	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	2	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	11/29/2005	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	0950	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	11/29/2005	
<b>Amount Due:</b>	60			<b>Orig Term Due Dt:</b>	11/29/2005	
<b>Amount Paid:</b>	60			<b>Orig Term Due Tm:</b>	1600	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	11/29/2005	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	11/30/2005	
<b>Bill Print Dt:</b>	01/18/2006			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	05/11/2006	
<b>Cal Yr:</b>	2005			<b>Latest Term Due Dt:</b>	11/29/2005	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1600	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	11/29/2005	
<b>Inj Illness:</b>	Permanent			<b>Termination Time:</b>	1603	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.14107(a)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	60			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	0988568			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	08/28/2004	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	3	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2004	
<b>Violation No:</b>	6163220			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	11	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	2	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	06/08/2004	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1135	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	06/08/2004	
<b>Amount Due:</b>	60			<b>Orig Term Due Dt:</b>		
<b>Amount Paid:</b>	60			<b>Orig Term Due Tm:</b>		
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	06/08/2004	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	06/09/2004	
<b>Bill Print Dt:</b>	07/14/2004			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	2			<b>Last Action Dt:</b>	09/16/2004	
<b>Cal Yr:</b>	2004			<b>Latest Term Due Dt:</b>	06/08/2004	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1500	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	06/08/2004	
<b>Inj Illness:</b>	LostDays			<b>Termination Time:</b>	1330	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.4104(b)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Right to Conf Dt:</b>	06/08/2004				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183368				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/12/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1700
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/12/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/13/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	0800
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/13/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/13/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0855
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14112(a)(1)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### **Violation Details**

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183369				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/13/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0745
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/13/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/13/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1000
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/13/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1000
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/13/2005
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0830
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.4104(b)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	60			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6580026	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	01/16/2013
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2012
<b>Violation No:</b>	8669037	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	06/20/2012
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1020
<b>Likelihood:</b>	Reasonably	<b>Violation Occur Dt:</b>	06/20/2012
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	06/20/2012
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1035
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	06/20/2012
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	06/21/2012
<b>Bill Print Dt:</b>	12/12/2012	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2	<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012	<b>Latest Term Due Dt:</b>	06/20/2012
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1035
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	06/20/2012
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1030
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	Yes	<b>Part Section:</b>	56.14101(a)(2)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831093	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1005
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001	<b>Latest Term Due Dt:</b>	01/19/2001
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	0845

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No Affected:	1				Termination Type:	Terminated
Negligence:	LowNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12025
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:	01/17/2001				Section of Act 1:	104(a)
Proposed Penalty:	55				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	0989039	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	03/09/2006
Controller ID:	M09146	Fiscal Qtr:	4
Contractor ID:		Fiscal Yr:	2005
Violation No:	6183366	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	14
Docket No:		Violat Violatn Cnt:	4
Docket Stat Cd:		Violation Issue Dt:	09/12/2005
Mine Type:	Surface	Violatn Issue Time:	1615
Likelihood:	Unlikely	Violation Occur Dt:	09/12/2005
Amount Due:	60	Orig Term Due Dt:	09/13/2005
Amount Paid:	60	Orig Term Due Tm:	0800
Asmt Generated Ind:	No	Inspectn Begin Dt:	09/12/2005
Asses Case Stat Cd:	Closed	Inspection End Dt:	09/13/2005
Bill Print Dt:	10/12/2005	Last Action Cd:	Paid
Cal Qtr:	3	Last Action Dt:	07/10/2006
Cal Yr:	2005	Latest Term Due Dt:	09/13/2005
Cit Ord Safe:	Citation	Latest Term Due Tm:	0800
Coal Metal Ind:	M	Termination Dt:	09/13/2005
Inj Illness:	LostDays	Termination Time:	0700
No Affected:	1	Termination Type:	Terminated
Negligence:	ModNegligence	Vacate Dt:	
Written Notice:		Vacate Time:	
Enforcement Area:		Sig Sub:	No
Special Assess:	No	Part Section:	56.14100(b)
Primary or Mill:	Primary	Section of Act:	
Right to Conf Dt:		Section of Act 1:	104(a)
Proposed Penalty:	60	Section of Act 2:	
Mine Name:			
Controller Name:			
Violator Name:			

#### Violation Details

Event No:	6571403	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	11/18/2010
Controller ID:	M09146	Fiscal Qtr:	4
Contractor ID:		Fiscal Yr:	2010
Violation No:	6561040	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	1
Docket No:		Violat Violatn Cnt:	0
Docket Stat Cd:		Violation Issue Dt:	09/08/2010
Mine Type:	Surface	Violatn Issue Time:	1409
Likelihood:	Reasonably	Violation Occur Dt:	09/08/2010
Amount Due:	308	Orig Term Due Dt:	09/09/2010
Amount Paid:	308	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	09/08/2010
Asses Case Stat Cd:	Closed	Inspection End Dt:	09/10/2010
Bill Print Dt:	10/13/2010	Last Action Cd:	Paid
Cal Qtr:	3	Last Action Dt:	11/10/2010
Cal Yr:	2010	Latest Term Due Dt:	09/09/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/08/2010
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1445
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.9300(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	308				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0970413	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	07/27/2003
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2003
<b>Violation No:</b>	6160107	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	03/06/2003
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1130
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	03/06/2003
<b>Amount Due:</b>	55	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	03/06/2003
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	03/13/2003
<b>Bill Print Dt:</b>	05/15/2003	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	06/30/2003
<b>Cal Yr:</b>	2003	<b>Latest Term Due Dt:</b>	03/07/2003
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	03/12/2003
<b>Inj Illness:</b>	Permanent	<b>Termination Time:</b>	0730
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.11012
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	03/06/2003	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	0989343	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/04/2006
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2006
<b>Violation No:</b>	6183556	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/29/2005
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0818
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/29/2005
<b>Amount Due:</b>	60	<b>Orig Term Due Dt:</b>	11/29/2005
<b>Amount Paid:</b>	60	<b>Orig Term Due Tm:</b>	1600
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/29/2005
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	11/30/2005

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Bill Print Dt:</b>	01/18/2006				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	05/11/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	11/29/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/29/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0820
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.44(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0970413				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	07/27/2003
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2003
<b>Violation No:</b>	6160108				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	03/06/2003
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1215
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	03/06/2003
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	03/06/2003
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	03/13/2003
<b>Bill Print Dt:</b>	05/15/2003				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	06/30/2003
<b>Cal Yr:</b>	2003				<b>Latest Term Due Dt:</b>	03/07/2003
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	03/12/2003
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0750
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14201(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	03/06/2003				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6580026				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	01/16/2013
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2012
<b>Violation No:</b>	8669035				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	06/20/2012
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0810
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	06/20/2012
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	06/20/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	0830
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	06/20/2012
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	06/21/2012
<b>Bill Print Dt:</b>	12/12/2012				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2				<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012				<b>Latest Term Due Dt:</b>	06/20/2012
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0830
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	06/20/2012
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0815
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.44(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555465				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1150
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/22/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	12/07/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/14/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1405
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12028
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0800411				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831090				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/17/2001



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0925
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001				<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/17/2001
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1140
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.9300(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831094	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violtn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1015
<b>Likelihood:</b>	Reasonably	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	224	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	224	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001	<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	Fatal	<b>Termination Time:</b>	0840
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.12030
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	224	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	1000323	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2007
<b>Violation No:</b>	6186110	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	07/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1300
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	07/10/2007
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	07/10/2007
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1400
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	07/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	07/11/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	07/10/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1400
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	07/10/2007
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1615
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12004
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555460				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1446
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/19/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1007
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12023
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555463				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0800
<b>Likelihood:</b>	NoLikelihood				<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/22/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	12/14/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/14/2010
<b>Inj Illness:</b>	NoLostDays				<b>Termination Time:</b>	1400
<b>No Affected:</b>	0				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14130(h)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0999754				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/31/2007
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2007
<b>Violation No:</b>	6185195				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	13
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	9
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	12/13/2006
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1150
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	12/13/2006
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	12/14/2006
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	12/13/2006
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/14/2006
<b>Bill Print Dt:</b>	02/14/2007				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	07/11/2007
<b>Cal Yr:</b>	2006				<b>Latest Term Due Dt:</b>	12/14/2006
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/14/2006
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0735
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555467				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	5
Docket No:					Violat Violatn Cnt:	6
Docket Stat Cd:					Violation Issue Dt:	11/19/2010
Mine Type:	Surface				Violatn Issue Time:	0844
Likelihood:	Unlikely				Violation Occur Dt:	11/19/2010
Amount Due:	100				Orig Term Due Dt:	11/19/2010
Amount Paid:	100				Orig Term Due Tm:	0900
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	11/19/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	0900
Coal Metal Ind:	M				Termination Dt:	11/19/2010
Inj Illness:	Fatal				Termination Time:	0850
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14206(b)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555466				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/18/2010
Mine Type:	Surface				Violatn Issue Time:	1247
Likelihood:	NoLikelihood				Violation Occur Dt:	11/18/2010
Amount Due:	100				Orig Term Due Dt:	11/22/2010
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	11/22/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	11/30/2010
Inj Illness:	NoLostDays				Termination Time:	1100
No Affected:	0				Termination Type:	Terminated
Negligence:	LowNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	46.9(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831095	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1015
<b>Likelihood:</b>	Reasonably	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	224	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	224	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001	<b>Latest Term Due Dt:</b>	01/17/2001
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	01/17/2001
<b>Inj Illness:</b>	Fatal	<b>Termination Time:</b>	1130
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.12030
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	224	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	1001232	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185385	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	10/10/2007
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1434
<b>Likelihood:</b>	NoLikelihood	<b>Violation Occur Dt:</b>	10/10/2007
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	10/11/2007
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	0800
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007	<b>Latest Term Due Dt:</b>	10/11/2007
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	10/10/2007
<b>Inj Illness:</b>	NoLostDays	<b>Termination Time:</b>	1500
<b>No Affected:</b>	0	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	41.13
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	1001232			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	03/22/2008	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2008	
<b>Violation No:</b>	6185388			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	4	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	1	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	10/11/2007	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1240	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	10/11/2007	
<b>Amount Due:</b>	100			<b>Orig Term Due Dt:</b>	10/11/2007	
<b>Amount Paid:</b>	100			<b>Orig Term Due Tm:</b>	1300	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	10/09/2007	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	10/12/2007	
<b>Bill Print Dt:</b>	02/13/2008			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	09/04/2008	
<b>Cal Yr:</b>	2007			<b>Latest Term Due Dt:</b>	10/11/2007	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1300	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	10/11/2007	
<b>Inj Illness:</b>	LostDays			<b>Termination Time:</b>	1252	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.4201(a)(1)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	100			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	1001232			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	03/22/2008	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2008	
<b>Violation No:</b>	6185387			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	4	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	1	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	10/11/2007	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1049	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	10/11/2007	
<b>Amount Due:</b>	100			<b>Orig Term Due Dt:</b>	10/11/2007	
<b>Amount Paid:</b>	100			<b>Orig Term Due Tm:</b>	1200	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	10/09/2007	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	10/12/2007	
<b>Bill Print Dt:</b>	02/13/2008			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	09/04/2008	
<b>Cal Yr:</b>	2007			<b>Latest Term Due Dt:</b>	10/11/2007	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1200	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	10/11/2007	
<b>Inj Illness:</b>	Permanent			<b>Termination Time:</b>	1249	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	LowNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.12004	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	100			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	6519314			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	11/18/2011	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2011	
<b>Violation No:</b>	6555455			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	3	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	0	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	11/17/2010	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1139	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	11/17/2010	
<b>Amount Due:</b>	100			<b>Orig Term Due Dt:</b>	11/18/2010	
<b>Amount Paid:</b>	100			<b>Orig Term Due Tm:</b>	1030	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	11/17/2010	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	12/02/2010	
<b>Bill Print Dt:</b>	01/12/2011			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	02/09/2012	
<b>Cal Yr:</b>	2010			<b>Latest Term Due Dt:</b>	11/18/2010	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1030	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	11/18/2010	
<b>Inj Illness:</b>	Permanent			<b>Termination Time:</b>	1005	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.14107(a)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	100			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	6580026			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	01/16/2013	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	3	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2012	
<b>Violation No:</b>	8669036			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	0	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	15	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	06/20/2012	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	0827	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	06/20/2012	
<b>Amount Due:</b>	100			<b>Orig Term Due Dt:</b>	06/20/2012	
<b>Amount Paid:</b>	100			<b>Orig Term Due Tm:</b>	0900	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	06/20/2012	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	06/21/2012	
<b>Bill Print Dt:</b>	12/12/2012			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	2			<b>Last Action Dt:</b>	03/03/2013	
<b>Cal Yr:</b>	2012			<b>Latest Term Due Dt:</b>	06/20/2012	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	0900	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	06/20/2012	
<b>Inj Illness:</b>	Fatal			<b>Termination Time:</b>	0855	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	LowNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.12023	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	100			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0988568	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	08/28/2004
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2004
<b>Violation No:</b>	6163219	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	06/08/2004
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1115
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	06/08/2004
<b>Amount Due:</b>	60	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	60	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	06/08/2004
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	06/09/2004
<b>Bill Print Dt:</b>	07/14/2004	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2	<b>Last Action Dt:</b>	09/16/2004
<b>Cal Yr:</b>	2004	<b>Latest Term Due Dt:</b>	06/08/2004
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	06/08/2004
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1315
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	47.41(a)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	06/08/2004	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555454	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1121
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	138	<b>Orig Term Due Dt:</b>	11/17/2010
<b>Amount Paid:</b>	138	<b>Orig Term Due Tm:</b>	1140
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/17/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1140
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/18/2010
<b>Inj Illness:</b>	Permanent	<b>Termination Time:</b>	1010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14107(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	138				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	6580609	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	02/21/2013
Controller ID:	M09146	Fiscal Qtr:	1
Contractor ID:		Fiscal Yr:	2013
Violation No:	8670614	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	3
Docket No:		Violat Violatn Cnt:	15
Docket Stat Cd:		Violation Issue Dt:	10/23/2012
Mine Type:	Surface	Violatn Issue Time:	1022
Likelihood:	Unlikely	Violation Occur Dt:	10/23/2012
Amount Due:	224	Orig Term Due Dt:	10/29/2012
Amount Paid:	224	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	10/17/2012
Asses Case Stat Cd:	Closed	Inspection End Dt:	10/24/2012
Bill Print Dt:	01/16/2013	Last Action Cd:	Paid
Cal Qtr:	4	Last Action Dt:	08/29/2013
Cal Yr:	2012	Latest Term Due Dt:	10/29/2012
Cit Ord Safe:	Citation	Latest Term Due Tm:	1500
Coal Metal Ind:	M	Termination Dt:	10/30/2012
Inj Illness:	Permanent	Termination Time:	1445
No Affected:	1	Termination Type:	Terminated
Negligence:	ModNegligence	Vacate Dt:	
Written Notice:		Vacate Time:	
Enforcement Area:		Sig Sub:	No
Special Assess:	Yes	Part Section:	56.14100(b)
Primary or Mill:	Primary	Section of Act:	
Right to Conf Dt:		Section of Act 1:	104(a)
Proposed Penalty:	224	Section of Act 2:	
Mine Name:			
Controller Name:			
Violator Name:			

#### Violation Details

Event No:	1001506	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	04/17/2008
Controller ID:	M09146	Fiscal Qtr:	2
Contractor ID:		Fiscal Yr:	2008
Violation No:	6404524	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	4
Docket No:		Violat Violatn Cnt:	1
Docket Stat Cd:		Violation Issue Dt:	01/29/2008
Mine Type:	Surface	Violatn Issue Time:	1152
Likelihood:	Unlikely	Violation Occur Dt:	01/29/2008
Amount Due:	100	Orig Term Due Dt:	01/29/2008
Amount Paid:	100	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	01/29/2008
Asses Case Stat Cd:	Closed	Inspection End Dt:	01/30/2008
Bill Print Dt:	03/12/2008	Last Action Cd:	Paid
Cal Qtr:	1	Last Action Dt:	04/21/2008
Cal Yr:	2008	Latest Term Due Dt:	01/29/2008

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/29/2008
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1220
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555468	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	5
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	6
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/19/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0847
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/19/2010
<b>Amount Due:</b>	250	<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	250	<b>Orig Term Due Tm:</b>	0900
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/19/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0900
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	Fatal	<b>Termination Time:</b>	1104
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	Yes	<b>Part Section:</b>	56.14207
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	308	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555464	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1049
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/22/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/22/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0955
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4130(a)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0697539				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/22/2000
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2000
<b>Violation No:</b>	7831007				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	08/17/2000
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1055
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	08/17/2000
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	08/17/2000
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	08/18/2000
<b>Bill Print Dt:</b>	10/20/2000				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/22/2000
<b>Cal Yr:</b>	2000				<b>Latest Term Due Dt:</b>	08/18/2000
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	08/18/2000
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0625
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	08/17/2000				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555462				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0750
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/22/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	12/14/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/14/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1355
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14100(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555458				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1341
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	12/14/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/14/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1414
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	Yes				<b>Part Section:</b>	56.14101(a)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561042				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/09/2010



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0743
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/09/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	09/12/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/12/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0750
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4201(a)(1)
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555457	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>		<b>Violat Violtn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1222
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/19/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1317
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.12018
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	1001506	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	04/17/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6404523	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/29/2008
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1118
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/29/2008
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	01/29/2008
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/29/2008
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/30/2008
<b>Bill Print Dt:</b>	03/12/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	04/21/2008
<b>Cal Yr:</b>	2008				<b>Latest Term Due Dt:</b>	01/29/2008
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/29/2008
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1448
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12032
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1000323				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2007
<b>Violation No:</b>	6186109				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	07/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1240
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	07/10/2007
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	07/10/2007
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1400
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	07/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	07/11/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	07/10/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1400
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	07/10/2007
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1600
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12004
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561044				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/09/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0830
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/09/2010
<b>Amount Due:</b>	176				<b>Orig Term Due Dt:</b>	09/09/2010
<b>Amount Paid:</b>	176				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1100
<b>No Affected:</b>	3				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.18002(a)
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	176				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561041				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/08/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1451
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/08/2010
<b>Amount Due:</b>	138				<b>Orig Term Due Dt:</b>	09/09/2010
<b>Amount Paid:</b>	138				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0755
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.9300(b)
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	138				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555456				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	3
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/17/2010
Mine Type:	Surface				Violatn Issue Time:	1207
Likelihood:	Reasonably				Violation Occur Dt:	11/17/2010
Amount Due:	2000				Orig Term Due Dt:	11/17/2010
Amount Paid:	2000				Orig Term Due Tm:	1230
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	11/17/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	1230
Coal Metal Ind:	M				Termination Dt:	11/18/2010
Inj Illness:	LostDays				Termination Time:	1332
No Affected:	1				Termination Type:	Terminated
Negligence:	HighNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	Yes
Special Assess:	Yes				Part Section:	56.9300(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(d)(1)
Proposed Penalty:	2000				Section of Act 2:	
Mine Name:	Raymond St					
Controller Name:	Michael P Vondra					
Violator Name:	Bluff City Materials, Inc.					

<a href="#">14</a>	1 of 1	SSE	0.22 / 1,175.41	745.15 / -43	ECSC SOUTH ELGIN RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177	RCRA VSQG
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**EPA Handler ID:** ILR000022285  
**Gen Status Universe:** VSG  
**Contact Name:** PHIL BERG  
**Contact Address:** 400 W FIRST ST , , ELMHURST , IL, 60126 , US  
**Contact Phone No and Ext:** 708-832-4000  
**Contact Email:**  
**Contact Country:** US  
**County Name:** KANE  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 19960521  
**Location Latitude:** 41.977719  
**Location Longitude:** -88.269152  
**Recycler Activity?:** NO  
**Recycler Activity Note:** This facility has no indication of Recycling Activity.

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					
Recycler Activity:	No					
Recycler Act W.O. Storage:	No					

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19960521  
**Handler Name:** ECSC SOUTH ELGIN  
**Federal Waste Generator Code:** 3  
**Generator Code Description:** Very Small Quantity Generator  
**Source Type:** Notification

#### Waste Code Details

**Hazardous Waste Code:** D001  
**Waste Code Description:** IGNITABLE WASTE

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	400 W FIRST ST
<b>Name:</b>	ELMHURST CHICAGO STONE CO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	ELMHURST
<b>Date Ended Current:</b>		<b>State:</b>	IL
<b>Phone:</b>	708-832-4000	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	60126

<b>15</b>	<b>1 of 7</b>	<b>WSW</b>	<b>0.24 / 1,263.45</b>	<b>746.85 / -41</b>	<b>HB BLACKTOP AND SONS INC 33 W 800 GILBERT ST SOUTH ELGIN IL 60177</b>	<b>RCRA VSQG</b>
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**EPA Handler ID:** ILD984850933  
**Gen Status Universe:** VSG  
**Contact Name:** ROBERT BROITZMAN  
**Contact Address:** 850 S EAST AVE , , SOUTH ELGIN , IL, 60177 , US  
**Contact Phone No and Ext:** 708-742-9328  
**Contact Email:**  
**Contact Country:** US  
**County Name:** KANE  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 20091021  
**Location Latitude:** 41.979213  
**Location Longitude:** -88.278592  
**Recycler Activity?:** NO  
**Recycler Activity Note:** This facility has no indication of Recycling Activity.

#### Violation/Evaluation Summary

**Note:** NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Oct, 2024.

#### Evaluation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Evaluation Start Date:** 19980427  
**Evaluation Type Description:** COMPLIANCE ASSISTANCE VISIT  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** State

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No  
**Recycler Activity:** No  
**Recycler Act W.O. Storage:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19920211  
**Handler Name:** HB BLACKTOP AND SONS INC  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified  
**Source Type:** Notification

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19980427  
**Handler Name:** HB BLACKTOP AND SONS INC  
**Federal Waste Generator Code:** 3  
**Generator Code Description:** Very Small Quantity Generator  
**Source Type:** Implementer

#### Hazardous Waste Handler Details

**Sequence No:** 2  
**Receive Date:** 20091021  
**Handler Name:** HB BLACKTOP AND SONS INC  
**Federal Waste Generator Code:** 3  
**Generator Code Description:** Very Small Quantity Generator  
**Source Type:** Implementer

#### Owner/Operator Details

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	850 S EAST AVE
<b>Name:</b>	BROITZMAN ROBERT	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SOUTH ELGIN
<b>Date Ended Current:</b>		<b>State:</b>	IL
<b>Phone:</b>	708-888-8897	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	60177



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	850 S EAST AVE
<b>Name:</b>	BROITZMAN ROBERT	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	SOUTH ELGIN
<b>Date Ended Current:</b>		<b>State:</b>	IL
<b>Phone:</b>	708-888-8897	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	60177

#### Historical Handler Details

<b>Receive Dt:</b>	19980427
<b>Generator Code Description:</b>	Very Small Quantity Generator
<b>Handler Name:</b>	HB BLACKTOP AND SONS INC

<b>Receive Dt:</b>	19920211
<b>Generator Code Description:</b>	Not a Generator, Verified
<b>Handler Name:</b>	HB BLACKTOP AND SONS INC

<a href="#">15</a>	2 of 7	WSW	0.24 / 1,263.45	746.85 / -41	H B Blacktop & Son Inc 33W800 Gilber St South Elgin, IL 60177 South Elgin IL	UST
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<b>Facility No:</b>	2027898	<b>Facility Type:</b>	Industrial / Manufacturing
<b>Facility Status:</b>	Closed	<b>Owner Type:</b>	Private
<b>Fac Details Status:</b>	Closed	<b>Owner Status:</b>	Current Owner
<b>Fac Type Fac Details:</b>	Industrial / Manufacturing	<b>County:</b>	Kane
<b>Owner Name:</b>	H B Blacktop & Son Inc		
<b>Facility URL:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2027898">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2027898</a>		
<b>Permit History Link:</b>	<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2027898">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2027898</a>		

#### Tank Information

<b>Tank No:</b>	2	<b>Capacity:</b>	2000
<b>UI No:</b>		<b>Petroleum Use:</b>	
<b>Status:</b>	Removed	<b>Product:</b>	Diesel Fuel
<b>Removed Date:</b>	5/4/1998	<b>CERCLA Substance:</b>	
<b>Install Date:</b>	1/1/1990	<b>Current Age:</b>	8
<b>Abandoned Date:</b>		<b>Abandoned Material:</b>	
<b>Last Used Date:</b>	4/29/1998	<b>Product Date:</b>	1/1/1990
<b>Red Tag Issue Date:</b>		<b>Fee Due:</b>	
<b>CAS Code:</b>		<b>Regulated Status:</b>	Federal
<b>OSFM First Noti Dt:</b>	9/4/1991		

#### Tank Information

<b>Tank No:</b>	1	<b>Capacity:</b>	2000
<b>UI No:</b>		<b>Petroleum Use:</b>	
<b>Status:</b>	Removed	<b>Product:</b>	Gasoline
<b>Removed Date:</b>	5/4/1998	<b>CERCLA Substance:</b>	
<b>Install Date:</b>	1/1/1990	<b>Current Age:</b>	8
<b>Abandoned Date:</b>		<b>Abandoned Material:</b>	
<b>Last Used Date:</b>	4/28/1998	<b>Product Date:</b>	1/1/1990
<b>Red Tag Issue Date:</b>		<b>Fee Due:</b>	
<b>CAS Code:</b>		<b>Regulated Status:</b>	Federal
<b>OSFM First Noti Dt:</b>	9/4/1991		

#### Owner Summary

<b>Owner No:</b>	U0017623	<b>Owner Status:</b>	Current Owner
<b>Owner Name:</b>	H B Blacktop & Son Inc	<b>Purchase Date:</b>	1/1/1990
<b>Ownership History:</b>	<a href="https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2027898">https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2027898</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner Details**

<b>Owner Name:</b>	H B Blacktop & Son Inc	<b>Type Financial Resp:</b>
<b>Owner Status:</b>	Current Owner	<b>Fin Resp Rpt Due:</b>
<b>Purchase Date:</b>	1/1/1990	
<b>Owner Address:</b>	850 S East Ave South Elgin, IL 60177	

**Facility Details**

<b>MFD Forms Status:</b>		<b>Green Tag Decal:</b>
<b>MFD Permit Issue Dt:</b>		<b>Green Tag Issue Date:</b>
<b>MFD Permit Exp Dt:</b>		<b>Green Tag Exp Date:</b>
<b>Property Parcel:</b>		<b>Motor Fuel Type:</b>
<b>Pending Nov:</b>	No	
<b>Status:</b>	Closed	
<b>Permit History Link:</b>	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2027898	

**Motorfuel Dispensing Permit**

<b>Status:</b>	No Forms Found
<b>Letter:</b>	
<b>MFD Received Date:</b>	
<b>MFD Name:</b>	
<b>MFD City:</b>	

<a href="#">15</a>	3 of7	WSW	0.24 / 1,263.45	746.85 / -41	FOX RIVER & COUNTRYSIDE FIRE/RESCUE 33 West 802 Gilbert Street SOUTH ELGIN IL 60177	AST
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<b>Type:</b>	Tank - Above Ground Dispensing	<b>Date:</b>	
<b>NOVs:</b>		<b>Inspector:</b>	
<b>Tank 2:</b>		<b>Row:</b>	
<b>Occupant 2:</b>		<b>Section:</b>	KA
<b>Occupancy No:</b>	001-KA-055		
<b>Occupant Type:</b>	055 - ABOVE GROUND DISPENSING		
<b>Tank:</b>	TANK# 2-500		
<b>Building:</b>			
<b>Location Comment:</b>			

<a href="#">15</a>	4 of7	WSW	0.24 / 1,263.45	746.85 / -41	FOX RIVER & COUNTRYSIDE FIRE/RESCUE 33 West 802 Gilbert Street SOUTH ELGIN IL 60177	AST
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<b>Type:</b>	Tank - Above Ground Dispensing	<b>Date:</b>	
<b>NOVs:</b>		<b>Inspector:</b>	
<b>Tank 2:</b>		<b>Row:</b>	
<b>Occupant 2:</b>		<b>Section:</b>	KA
<b>Occupancy No:</b>	001-KA-055		
<b>Occupant Type:</b>	055 - ABOVE GROUND DISPENSING		
<b>Tank:</b>	TANK# 3-500		
<b>Building:</b>			
<b>Location Comment:</b>			

<a href="#">15</a>	5 of7	WSW	0.24 / 1,263.45	746.85 / -41	H B Unlimited 33 West 802 GILBERT Street SOUTH ELGIN IL 60177	AST
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<b>Type:</b>	Tank - Above Ground Dis	<b>Date:</b>
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
NOVs: Tank 2: Occupant 2: Occupancy No: Occupant Type: Tank: Building: Location Comment:						
Inspector: Row: Section:						
-KA-055-1409937661954 055 - ABOVE GROUND DISPENSING TANK#1-1,000						
KA						
<a href="#">15</a>	6 of 7	WSW	0.24 / 1,263.45	746.85 / -41	FOX RIVER & COUNTRYSIDE FIRE/RESCUE DIST. 33 West 802 Gilbert Street SOUTH ELGIN IL 60177	AST
Type: Tank - Above Ground Dispensing NOVs: 1 NOVs Date: Inspector: Row: Section:						
-001-KA-055 055 - ABOVE GROUND DISPENSING TANK#1-1000						
KA Structure: FOX RIVER&COUNTRYSIDE FIRE/RESCUE DIST.						
<a href="#">15</a>	7 of 7	WSW	0.24 / 1,263.45	746.85 / -41	H B Unlimited 33 West 802 GILBERT Street SOUTH ELGIN IL 60177	AST
Type: Tank - Above Ground Dis NOVs: Date: Inspector: Row: Section:						
-KA-055-1409937882629 055 - ABOVE GROUND DISPENSING TANK#2-2,500						
KA						
<a href="#">16</a>	1 of 2	SW	0.27 / 1,446.16	733.96 / -54	WOODLAND LANDFILL INCORPORATION ROUTE 25 & GILBERT ROAD ELGIN IL 60177	CERCLIS
Site ID: 0500516 Site EPA ID: ILD097282750 Site Street Address 2: Site County Name: KANE Site FIPS Code: 17089 Region Code: 05 Site SMSA No.: 1600 Site Prim. Latitude: +41.984167 Site Prim. Longitude: -088.280278 Lat Long Source: RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information						
RNPL Status Code: N NPL Status: Not on the NPL RFED Facility Code: N RFED Facility Desc: Not a Federal Facility USGS Hydro Unit No.: 07120006 Site Cong. Dist. Code: 12 ROT Desc: Other FR NPL Update No.: RFRA Code:						
<b>CERCLIS Assess History</b>						
OU ID: 00 Act Code ID: 001 RAT Code: DS RAT Short Name: DISCVRY RAT Name: DISCOVERY RALT Short Name: EPA Fund Act Start Date: Act Complete Date: 4/1/1979 00:00:00 AGT Order No.: 10 SH OU:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>RAT Hist. Only Flag:</b>			<b>SH Code:</b>			
<b>RAT NSI Indicator:</b> B			<b>SH Seq:</b>			
<b>RAT Level:</b> 1			<b>SH Start Date:</b>			
<b>RAT DEF OU:</b> 00			<b>SH Complete Date:</b>			
<b>RFBS Code:</b>			<b>SH Lead:</b>			
<b>SPA Code:</b> 13						
<b>RAT Def:</b>						
<b>Site Desc:</b>			The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.			
<b>Site Alias:</b>						

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	State (Fund)
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	4/29/1998 00:00:00
<b>RAT Code:</b>	ES	<b>Act Complete Date:</b>	9/15/1999 00:00:00
<b>RAT Short Name:</b>	ESI	<b>AGT Order No.:</b>	170
<b>RAT Name:</b>	EXPANDED SITE INSPECTION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13	<p>Functions performed to collect additional data, beyond that required for Hazard Ranking System scoring, in order to expedite the Remedial Investigation/Feasibility Study (RI/FS) project planning phase for National Priority List (NPL) sites. The present site inspection focus on pathways and receptors has been expanded to include site and source characterization. The information facilitates the development of RI/FS workplan and sampling and analysis plan.</p>	
<b>RAT Def:</b>			
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	SI	<b>Act Complete Date:</b>	10/25/1991 00:00:00
<b>RAT Short Name:</b>	SI	<b>AGT Order No.:</b>	160
<b>RAT Name:</b>	SITE INSPECTION	<b>SH OU:</b>	00
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	SH
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	001
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	9/29/1995 00:00:00
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	EPA Fund
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	State (Fund)
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	PA	<b>Act Complete Date:</b>	4/1/1983 00:00:00
<b>RAT Short Name:</b>	PA	<b>AGT Order No.:</b>	130
<b>RAT Name:</b>	PRELIMINARY ASSESSMENT	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.	
<b>RAT Def:</b>			
<b>Site Desc:</b>			
<b>Site Alias:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	
<b>Act Code ID:</b>		<b>Act Start Date:</b>	
<b>RAT Code:</b>		<b>Act Complete Date:</b>	
<b>RAT Short Name:</b>		<b>AGT Order No.:</b>	0
<b>RAT Name:</b>		<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>		<b>SH Seq:</b>	
<b>RAT Level:</b>		<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>			
<b>RAT Def:</b>			
<b>Site Desc:</b>	No description available		
<b>Site Alias:</b>	SOUTH ELGIN LDFL,,IL,;WOODLAND LDFL INC,RR1 BOX 8H,ELGIN,IL,60120;WOODLAND LDFL INC,RTE 25 & GILBERT RD,ELGIN,IL,60120;WOODLAND LDFL IND,RTE 25 - FIRE # 7N904,ELGIN,IL,60120;		

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA In-House
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	VS	<b>Act Complete Date:</b>	12/22/1999 00:00:00
<b>RAT Short Name:</b>	ARCH SITE	<b>AGT Order No.:</b>	1500
<b>RAT Name:</b>	ARCHIVE SITE	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The decision is made that no further activity is planned at the site.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

<b>16</b>	<b>2 of2</b>	<b>SW</b>	<b>0.27 / 1,446.16</b>	<b>733.96 / -54</b>	<b>WOODLAND LANDFILL INCORPORATION ROUTE 25 &amp; GILBERT ROAD ELGIN IL 60177</b>	<b>CERCLIS NFRAP</b>
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<b>Site ID:</b>	500516	<b>Site FIPS Code:</b>	17089
<b>Site EPA ID:</b>	ILD097282750	<b>Region Code:</b>	5
<b>Site Parent ID:</b>		<b>Site Cong. Dist. Code:</b>	12
<b>Site County Name:</b>	KANE	<b>Federal Facility:</b>	
<b>Parent Site Name:</b>			

#### CERCLIS-NFRAP Assess History

<b>OU ID:</b>	0	<b>Act Start Date:</b>	4/29/1998
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	9/15/1999
<b>RAT Code:</b>	ES	<b>AGT Order No.:</b>	170
<b>RAT Short Name:</b>	ESI	<b>SH OU:</b>	
<b>RAT Name:</b>	EXPANDED SITE INSPECTION	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	NFRAP
<b>RALT Short Name:</b>	State (Fund)	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	Functions performed to collect additional data, beyond that required for Hazard Ranking System scoring, in order to expedite the Remedial Investigation/Feasibility Study (RI/FS) project planning phase for National Priority List (NPL) sites. The present site inspection focus on pathways and receptors has been expanded to include site and source		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**RNON NPL Status Desc:** characterization. The information facilitates the development of RI/FS workplan and sampling and analysis plan. NFRAP-Site does not qualify for the NPL based on existing information

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	4/1/1983
<b>RAT Code:</b>	PA	<b>AGT Order No.:</b>	130
<b>RAT Short Name:</b>	PA	<b>SH OU:</b>	
<b>RAT Name:</b>	PRELIMINARY ASSESSMENT	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	Low priority
<b>RALT Short Name:</b>	State (Fund)	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	4/1/1979
<b>RAT Code:</b>	DS	<b>AGT Order No.:</b>	10
<b>RAT Short Name:</b>	DISCVRY	<b>SH OU:</b>	
<b>RAT Name:</b>	DISCOVERY	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>		<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	
<b>RALT Short Name:</b>	EPA Fund	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	10/25/1991
<b>RAT Code:</b>	SI	<b>AGT Order No.:</b>	160
<b>RAT Short Name:</b>	SI	<b>SH OU:</b>	0
<b>RAT Name:</b>	SITE INSPECTION	<b>SH Code:</b>	SH
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	1
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	9/29/1995 0:00
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	EPA Fund
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	Higher priority
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	Higher priority
<b>RALT Short Name:</b>	EPA Fund	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	12/22/1999
<b>RAT Code:</b>	VS	<b>AGT Order No.:</b>	1500
<b>RAT Short Name:</b>	ARCH SITE	<b>SH OU:</b>	
<b>RAT Name:</b>	ARCHIVE SITE	<b>SH Code:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> <b>RAT Hist. Only Flag:</b>  <b>RAT NSI Indicator:</b> B  <b>RAT Level:</b> 1  <b>RAT DEF OU:</b> 00  <b>RFBS Code:</b>  <b>SPA Code:</b> 13  <b>RALT Short Name:</b> EPA In-House  <b>RAT Def:</b> The decision is made that no further activity is planned at the site.  <b>RNON NPL Status Desc:</b> NFRAP-Site does not qualify for the NPL based on existing information </div> <div> <b>SH Seq:</b>  <b>SH Start Date:</b>  <b>SH Complete Date:</b>  <b>SH Lead:</b>  <b>SH Qual:</b>  <b>RAQ Act. Qual Short:</b>  <b>RNPL Status Code:</b> N </div> </div>						
<a href="#">17</a>	1 of 1	SW	0.28 / 1,453.47	736.58 / -51	WOODLAND LANDFILL INCORPORATION ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SEMS ARCHIVE
<div> <div> <b>Site ID:</b> 0500516  <b>EPA ID:</b> ILD097282750  <b>Superfund Alte Agr:</b> No  <b>Federal Facility:</b> No  <b>FF Docket:</b> No  <b>NPL:</b> Not on the NPL  <b>Non NPL Status:</b> NFRAP-Site does not qualify for the NPL based on existing information </div> <div> <b>FIPS Code:</b> 17089  <b>Cong District:</b> 12  <b>Region:</b> 05  <b>County:</b> KANE </div> </div>						
<b>Action Information</b>						
<div> <div> <b>Operable Units:</b> 00  <b>Action Code:</b> DS  <b>Action Name:</b> DISCVRY  <b>Start Actual:</b> 4/1/1979 5:00:00 AM  <b>Finish Actual:</b> 4/1/1979 5:00:00 AM  <b>Curr Action Lead:</b> EPA Perf  <b>NPL:</b> </div> <div> <b>Qual:</b>  <b>SEQ:</b> 1  <b>FF:</b> No  <b>FF Docket:</b> No  <b>Region:</b> 05 </div> </div>						
<div> <div> <b>Operable Units:</b> 00  <b>Action Code:</b> PA  <b>Action Name:</b> PA  <b>Start Actual:</b>  <b>Finish Actual:</b> 4/1/1983 5:00:00 AM  <b>Curr Action Lead:</b> St Perf  <b>NPL:</b> </div> <div> <b>Qual:</b> L  <b>SEQ:</b> 1  <b>FF:</b> No  <b>FF Docket:</b> No  <b>Region:</b> 05 </div> </div>						
<div> <div> <b>Operable Units:</b> 00  <b>Action Code:</b> SI  <b>Action Name:</b> SI  <b>Start Actual:</b>  <b>Finish Actual:</b> 10/25/1991 4:00:00 AM  <b>Curr Action Lead:</b> EPA Perf  <b>NPL:</b> </div> <div> <b>Qual:</b> H  <b>SEQ:</b> 1  <b>FF:</b> No  <b>FF Docket:</b> No  <b>Region:</b> 05 </div> </div>						
<div> <div> <b>Operable Units:</b> 00  <b>Action Code:</b> ES  <b>Action Name:</b> ESI  <b>Start Actual:</b> 4/29/1998 4:00:00 AM  <b>Finish Actual:</b> 9/15/1999 4:00:00 AM  <b>Curr Action Lead:</b> St Perf  <b>NPL:</b> </div> <div> <b>Qual:</b> N  <b>SEQ:</b> 1  <b>FF:</b> No  <b>FF Docket:</b> No  <b>Region:</b> 05 </div> </div>						
<div> <div> <b>Operable Units:</b> 00  <b>Action Code:</b> VS  <b>Action Name:</b> ARCH SITE  <b>Start Actual:</b>  <b>Finish Actual:</b> 12/22/1999 5:00:00 AM  <b>Curr Action Lead:</b> EPA Perf In-Hse  <b>NPL:</b> </div> <div> <b>Qual:</b>  <b>SEQ:</b> 1  <b>FF:</b> No  <b>FF Docket:</b> No  <b>Region:</b> 05 </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">18</a>	1 of 1	WNW	0.33 / 1,744.57	731.12 / -57	Waste Mgmt of II - Closed Landfill Rte 25 South Elgin IL 60177	REM ASSESS

**Note:** Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: <https://external.epa.illinois.gov/DocumentExplorer>

**Data Source:** IEPA Source Water Assessment Program (SWAP) & Mapping Tool (Map); IEPA Document Explorer - Facility/Site Search (Web)

#### IEPA Document Explorer

**Name:** Elgin Landfill - 170000387141  
**Address:** Rte 25  
**City:** South Elgin  
**State:** IL  
**Zip Code:** 60177

#### Details

**Program ID:** 0890800001 **Total Pages:** 1929  
**Document Count:** 34  
**Category:** Superfund Technical  
**Originating Bureau:** Bureau of Land  
**Category URL:** <https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmtpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRf09ljE3MDAwMDM4NzE0MSIgQU5EIFtDQVRFR09SWV09ljE5Qy11>

#### IEPA Source Water Assessment Program (SWAP) & Mapping Tool

**Name:** Waste Mgmt of II - Closed Landfill  
**Location Addr 3:** Rte 25  
**City Name:** South Elgin  
**State Code:** IL  
**Postal Code:** 60177

#### Details

<b>Indicator:</b>	Yes	<b>Interest Type:</b>	BOL
<b>Site ID:</b>	170000387141	<b>Latitude Measure:</b>	41.9875
<b>System ID:</b>	0890800002	<b>Longitude Measure:</b>	-88.279166
<b>RID:</b>	1380513	<b>Point X:</b>	-88.27916599999998
<b>Media Code:</b>	LAND	<b>Point Y:</b>	41.987500000000007
<b>Revision Dt Time:</b>	05/22/2007		
<b>Collection Dt:</b>	10/12/2011		

#### Details

<b>Indicator:</b>	Yes	<b>Interest Type:</b>	BOL
<b>Site ID:</b>	170000387141	<b>Latitude Measure:</b>	41.98303
<b>System ID:</b>	0890800001	<b>Longitude Measure:</b>	-88.271599
<b>RID:</b>	1213145	<b>Point X:</b>	-88.27159899999998
<b>Media Code:</b>	LAND	<b>Point Y:</b>	41.983030000000004
<b>Revision Dt Time:</b>	05/22/2007		
<b>Collection Dt:</b>	05/01/2009		

#### Details

<b>Indicator:</b>	Yes	<b>Interest Type:</b>	NPLU
<b>Site ID:</b>	170000387141	<b>Latitude Measure:</b>	41.98303
<b>System ID:</b>	0890800001	<b>Longitude Measure:</b>	-88.271599
<b>RID:</b>	1201818	<b>Point X:</b>	-88.27159899999998
<b>Media Code:</b>	LAND	<b>Point Y:</b>	41.983030000000004

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Revision Dt Time:		05/22/2007				
Collection Dt:		05/01/2009				
<a href="#">19</a>	1 of 1	NNE	0.45 / 2,383.92	767.37 / -20	47 Acres Southwind Park CCDD 2250 Southwind Boulevard, Bartlett IL	CCDD
BOL No:		0894125007				
<u>Details</u>						
Status:		Closed				
USFO CCDD Site:		CCDD				
GIS Lat:		41.99182132				
GIS Long:		-88.26769762				
Point X:		-88.26769167128911				
Point Y:		41.991813482797006				
<a href="#">20</a>	1 of 1	NW	0.99 / 5,212.42	748.04 / -40	SOUTH ELGIN PLANT & PIT KANE COUNTY SOUTH ELGIN IL 60177	MRDS
Dep ID:		10193209		I1:	27	
Dev Status:		PRODUCER		Latitude:	41.996094	
Code List:		SDG		Longitude:	-88.285583	
Url:		http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10193209				
<u>Commodity</u>						
I1:		23		Line:	1	
Code:		SDG		Inserted By:	MAS migration	
Commodity:		Sand and Gravel, Cons		Insert Date:	29-OCT-2002 09:00:24	
Commodity Type:		Non-metallic		Updated By:	USGS	
Commodity Group:		Sand and Gravel		Update Date:	29-OCT-2002 09:01:49	
Importance:		Primary				
<u>Names</u>						
I1:		15		Inserted By:	MAS migration	
Status:		Current		Insert Date:	29-OCT-02	
Site Name:		South Elgin Plant & Pit		Updated By:	USGS	
Line:		1		Update Date:	29-OCT-02	

# Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
LUST	Brady Ready Mix	Rt. 25 South of	Elgin IL	60120	812669499
Incident No   Incidents ID   NFR Date: 911444   10800   04/21/2000					

# Unplottable Report

**Site:** *Brady Ready Mix*  
*Rt. 25 South of Elgin IL 60120*

LUST

**Incident No:** 911444  
**Incidents ID:** 10800  
**NFR Date:** 04/21/2000  
**Gasoline:** True  
**Unleaded:** False  
**Diesel:** False  
**Fuel Oil:** False  
**Jet Fuel:** False  
**Used Oil:** False  
**Non Petroleum Prod:** False  
**Other Petroleum:** False  
**Non LUST Date:**  
**Non LUST Letter Dt:**  
**Heating Oil Letter Date:**  
**Free Product Discovery Date:**

**Primary Resp Party Name:** Brady Ready Mix  
**Primary Resp Party Address:** P.O. Box 886  
**Primary Resp Party City:** Elgin  
**Primary Resp Party State:** IL  
**Primary Resp Party ZIP:** 60121  
**Primary Resp Party Phone:**  
**Primary Resp Party Contact:** Richard O'Connell

**LPC No:** 0894385163  
**IEMA Date:** 05/30/1991  
**Regulation:** 731  
**C 20 Day Report Date:** 02/03/2000  
**C 45 Day Report Date:** 02/03/2000  
**NFR Recorded Date:** 05/22/2000  
**Pre 74 Date:**  
**Proj Manager Phone:** (217) 785-5715  
**Proj Mngr First Nm:** Eric  
**Proj Mngr Last Nm:** Kuhlman  
**Proj Manager Email:** Eric.Kuhlman@illinois.gov  
**Site County:** Kane

## Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

### Standard Environmental Record Sources

#### Federal

##### National Priority List:

NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Dec 13, 2024**

##### National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Dec 13, 2024**

##### Deleted NPL:

DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Dec 13, 2024**



**SEMS List 8R Active Site Inventory:**[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

**Government Publication Date:** Feb 26, 2025

**Inventory of Open Dumps, June 1985:**[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date:** Jun 1985

**SEMS List 8R Archive Sites:**[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date:** Feb 26, 2025

**Comprehensive Environmental Response, Compensation and Liability Information System -**[CERCLIS](#)**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date:** Oct 25, 2013

**EPA Report on the Status of Open Dumps on Indian Lands:**[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date:** Dec 31, 1998

**CERCLIS - No Further Remedial Action Planned:**[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date:** Oct 25, 2013

**CERCLIS Liens:**[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date:** Jan 30, 2014

**RCRA CORRACTS-Corrective Action:**[RCRA CORRACTS](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date:** Oct 21, 2024

**RCRA non-CORRACTS TSD Facilities:**[RCRA TSD](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

**Government Publication Date: Oct 21, 2024**

**RCRA Generator List:**[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Oct 21, 2024**

**RCRA Small Quantity Generators List:**[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Oct 21, 2024**

**RCRA Very Small Quantity Generators List:**[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Oct 21, 2024**

**RCRA Non-Generators:**[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Oct 21, 2024**

**RCRA Sites with Controls:**[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Oct 21, 2024**

**Federal Engineering Controls-ECs:**[FED ENG](#)

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jan 29, 2025**

**Federal Institutional Controls- ICs:**

FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date:** Jan 29, 2025

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date:** Sep 1, 2006

**Institutional Control Boundaries at NPL sites:**

NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

**Government Publication Date:** Nov 20, 2024

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1982-1986

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1987-1989

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date:** Dec 31, 2024

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date:** Feb 19, 2025

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date:** Dec 31, 2017

#### **Facility Response Plan:**

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

**Government Publication Date: Jan 9, 2024**

#### **Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Jan 9, 2024**

#### **Historical Gas Stations:**

HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date: Jul 1, 1930**

#### **Petroleum Refineries:**

REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

**Government Publication Date: Oct 31, 2024**

#### **Petroleum Product and Crude Oil Rail Terminals:**

BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

**Government Publication Date: Oct 31, 2024**

#### **LIEN on Property:**

SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date: Jan 29, 2025**

#### **Superfund Decision Documents:**

SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date: Feb 26, 2025**

### **State**

#### **State Response Action Program Database:**

SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

**Government Publication Date: Aug 3, 2023**

**Delisted State Response Action Program:**

DELISTED SSU

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

**Government Publication Date:** Aug 3, 2023

**Solid Waste Landfills Subject to State Surcharge Database:**

SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

**Government Publication Date:** Jun 24, 2024

**Special Waste Site List:**

SWF/LF SPECIAL

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

**Government Publication Date:** Jan 1, 1990

**Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in**

NIPC

**Northeastern Illinois:**

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

**Government Publication Date:** Dec 1987

**Clean Construction or Demolition Debris:**

CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

**Government Publication Date:** Feb 27, 2025

**Leaking Underground Storage Tanks (LUST):**

LUST

Leaking underground storage tanks (LUSTs) are a significant source of environmental contamination and may pose threats to human health and safety. The Illinois Office of the State Fire Marshal (OSFM) regulates the daily operation and maintenance of UST systems. When a release occurs, a tank owner, operator, or their designated representative, must notify the Illinois Emergency Management Agency (IEMA), which then notifies the Illinois Environmental Protection Agency (Illinois EPA). The Illinois EPA's LUST Section begins oversight of remedial activities only after the UST release has been reported to the IEMA.

**Government Publication Date:** Nov 15, 2024

**Leaking UST Document:**

LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

**Government Publication Date:** Dec 12, 2024

**Delisted Leaking Underground Storage Tank Sites:**

DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

**Government Publication Date:** Dec 12, 2024

**Underground Storage Tank Fund Payment Priority List:**

LUST TRUST

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. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

**Government Publication Date:** Nov 01, 2016

**Underground Storage Tank Database (UST):**

UST

This Underground Storage Tank (UST) database is maintained by the Division of Petroleum & Chemical Safety of the Office of the Illinois State Fire Marshal (OSFM). Agency Disclaimer: The data contains information derived from tank registration information supplied to the OSFM from outside sources. This information may not contain complete or current information on a specific tank.

**Government Publication Date:** Oct 21, 2024

**Aboveground Storage Tanks (AST):**

AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

**Government Publication Date: Nov 1, 2024**

**Delisted Storage Tanks:**

DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

**Government Publication Date: Oct 21, 2024**

**Sites with Engineering Controls:**

ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

**Government Publication Date: Nov 22, 2024**

**Institutional Controls:**

INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

**Government Publication Date: Nov 22, 2024**

**Environmental Covenants Registry:**

AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statutes (ILCS) 122 et seq.) creates an environmental covenant that is a specific recordable interest in real estate. It arises from an environmental response project that imposes activity and use limitations on a property. No environmental covenant is effective without the approval of the Illinois EPA, through the Director's signature. The UECA instrument recites the property use controls and remediation requirements imposed upon the property. Section 12(a) of the Illinois UECA requires the Illinois EPA to establish and maintain a registry that contains all environmental covenants and any amendment or termination of those covenants.

**Government Publication Date: Sep 24, 2024**

**Illinois Site Remediation Program Database:**

SRP

The Site Remediation Program (SRP) 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). The SRP database is made available by the Illinois Environmental Protection Agency (IEPA).

**Government Publication Date: Nov 22, 2024**

**Document Explorer Remediation and Assessment Sites:**

REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

**Government Publication Date: Dec 12, 2024**

**Brownfields Redevelopment Assessment Database:**

BROWNFIELDS

This listing of Brownfields Redevelopment Assessment sites is provided by the Illinois Environmental Protection Agency's (IL EPA) Bureau of Land. Brownfields are abandoned or under-utilized industrial and commercial properties with actual or perceived contamination and an active potential for redevelopment. The IL EPA Remedial Project Management Section (RPMS) manages the Brownfields loan programs and offers technical support to communities through the services of its Brownfields Representatives.

**Government Publication Date: Jun 4, 2024**

**Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA:**

BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

**Government Publication Date: Mar 31, 2013**

**Tribal****Leaking Underground Storage Tanks on Indian Lands:**

INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA).



**Underground Storage Tanks (USTs) on Indian Lands:**

[INDIAN UST](#)

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 16, 2017

**Delisted Tribal Leaking Storage Tanks:**

[DELISTED INDIAN LST](#)

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2024

**Delisted Tribal Underground Storage Tanks:**

[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2024

**County**

**Chicago Storage Tanks:**

[TANKS CHICAGO](#)

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago 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 City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Aug 21, 2024

**Chicago Environmental Permits:**

[PERMITS CHICAGO](#)

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Jun 15, 2023

**Additional Environmental Record Sources**

**Federal**

**PFAS Greenhouse Gas Emissions Data:**

[PFAS GHG](#)

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Aug 5, 2024

**On-Scene Coordinator Response Sites:**

[OSC RESPONSE](#)

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

**Facility Registry Service/Facility Index:**

FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date:** Aug 1, 2024

**Toxics Release Inventory (TRI) Program:**

TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date:** Sep 20, 2023

**PFOA/PFOS Contaminated Sites:**

PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

**Government Publication Date:** Dec 17, 2024

**Federal Agency Locations with Known or Suspected PFAS Detections:**

PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date:** Oct 24, 2024

**SSEHRI PFAS Contamination Sites:**

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date:** Jun 27, 2024

**National Response Center PFAS Spills:**

PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Dec 9, 2024**

#### **PFAS NPDES Discharge Monitoring:**

[PFAS NPDES](#)

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: Dec 16, 2024**

#### **Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date: Sep 20, 2023**

#### **PFAS Water Quality Portal Sampling Data:**

[PFAS WATER](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

**Government Publication Date: Jan 13, 2025**

#### **PFAS TSCA Manufacture and Import Facilities:**

[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jan 5, 2023**

#### **PFAS Waste Transfers from RCRA e-Manifest :**

[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

**PFAS Industry Sectors:**

PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 16, 2024

**Hazardous Materials Information Reporting System:**

HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

**National Clandestine Drug Labs:**

NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Nov 30, 2023

**Toxic Substances Control Act:**

TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

**Hist TSCA:**

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

**FTTS Administrative Case Listing:**

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

**FTTS Inspection Case Listing:**

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

**Potentially Responsible Parties List:**

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Nov 20, 2024**

**State Coalition for Remediation of Drycleaners Listing:**

**SCRD DRYCLEANER**

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

**ICIS**

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

**Government Publication Date: Apr 13, 2024**

**Drycleaner Facilities:**

**FED DRYCLEANERS**

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: May 5, 2024**

**Delisted Drycleaner Facilities:**

**DELISTED FED DRY**

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: May 5, 2024**

**Formerly Used Defense Sites:**

**FUDS**

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

**Government Publication Date: May 15, 2023**

**FUDS Munitions Response Sites:**

**FUDS MRS**

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

**Government Publication Date: May 15, 2023**

**Former Military Nike Missile Sites:**

**FORMER NIKE**

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date: Dec 2, 1984**



**PHMSA Pipeline Safety Flagged Incidents:**

PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

**Government Publication Date:** May 6, 2024

**Material Licensing Tracking System (MLTS):**

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date:** May 11, 2021

**Historic Material Licensing Tracking System (MLTS) sites:**

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date:** Jan 31, 2010

**Mines Master Index File:**

MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date:** Feb 5, 2024

**Surface Mining Control and Reclamation Act Sites:**

SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

**Government Publication Date:** May 20, 2024

**Mineral Resource Data System:**

MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date:** Mar 15, 2016

**DOE Legacy Management Sites:**

LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date:** Dec 12, 2023



**Alternative Fueling Stations:**

ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

**Government Publication Date: Aug 29, 2024**

**Superfunds Consent Decrees:**

CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Jun 26, 2024**

**Air Facility System:**

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

**Registered Pesticide Establishments:**

SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Feb 29, 2024**

**Polychlorinated Biphenyl (PCB) Transformers:**

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: May 23, 2024**

**Power Plants:**

POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

**Government Publication Date: Apr 15, 2024**

**State****Spills and Incidents:**

SPILLS

This listing of hazardous materials spill/incident reports is sourced from the Illinois Emergency Management Agency (IEMA)

**Government Publication Date: Dec 10, 2024**

**Emergency Response Releases & Spills Database:**[SPILL OER](#)

The Illinois Environmental Protection Agency's (IEPA) Office of Emergency Response (OER) maintains this Emergency Response Releases & Spills Database. The Emergency Operations Unit (EOU), within OER, coordinates IEPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

**Government Publication Date:** Jan 2, 2025

**PFAS Spill Sites:**[PFAS SPILLS](#)

A specific list of spill/incident reports from the Illinois Emergency Management Agency (IEMA) where the hazardous material involved in the spill/incident is identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA).

**Government Publication Date:** Jan 2, 2025

**Dry Cleaning Facilities:**[DRYCLEANERS](#)

This list of licensed drycleaner facilities is provided by the Drycleaner Environmental Response Trust Fund of Illinois; and since July 1, 2020, is administrated by Illinois Environmental Protection Agency (IEPA).

**Government Publication Date:** Feb 6, 2025

**Delisted Drycleaners:**[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

**Government Publication Date:** Feb 6, 2025

**IEPA Document Explorer:**[IEPA DOCS](#)

A list of permits and documents found in the Illinois Environmental Protection Agency (IEPA) Document Explorer. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are available in a digital format. This list includes records not otherwise categorized as LUST, Remediation, Air Permits, NPDES, or Compliance Commitment Agreements.

**Government Publication Date:** Dec 12, 2024

**Clandestine Drug Labs:**[CDL](#)

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

**Government Publication Date:** Jan 4, 2023

**Tier 2 Report:**[TIER 2](#)

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

**Government Publication Date:** May 10, 2023

**Air Permits:**[AIR PERMITS](#)

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

**Government Publication Date:** Dec 12, 2024

**Underground Injection Control Wells:**[UIC](#)

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

**Government Publication Date:** Aug 1, 2019

**Potentially Infectious Medical Waste Facilities:**[MEDICAL WASTE](#)

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as 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. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

**Government Publication Date:** Jun 6, 2023

**Compost Facilities:****COMPOST**

The Illinois Environmental Protection Agency's Bureau of Land, Materials Management Unit maintains this list of composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled. It is a natural form of recycling that turns some common kinds of household waste, like food and lawn wastes, into a dark organic material that can be used in a variety of beneficial ways.

**Government Publication Date: Dec 1, 2023**

**Tribal**

***No Tribal additional environmental record sources available for this State.***

**County**

***No County additional environmental record sources available for this State.***

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

# Kane County



## REQUEST A PUBLIC RECORD

Documents, photos, emails, texts, videos, data and other records.

### Request description

**B** **I** **U**

Information regarding installation and/or closure of any wells or septic systems at the following property:  
Address: Unaddressed parcel on Route 25, St. Charles, IL 60120  
Tax ID: 09-01-200-017  
Owner: Tri County Landfill Co  
All environmental records of concern—  
examples: violations, spills, leaks, fires, clean-ups, remediation, records of solid/ chemical/ hazardous substance usage, and / or disposal for and including within 0.5 miles of the address

Upload and attach files (optional)

[Choose file\(s\)](#)

### \* Department

Environmental and Water Resources

## YOUR INFORMATION

### Email

mdelaney@labellapc.com

### Name \*

Michael Delaney

### Phone \*

- Please indicate if your request is commercial or being submitted by a representative of the media
- The Freedom of Information Act (FOIA) is a state law providing citizens with access to public records. Public records are documents produced by the Kane County and not requests for information that are not in the form of a record or document.
- The information you are seeking may not require a FOIA request as it may already be

**Street address \*****City \*****\* State** ▼**Zip \*****Company**[Make request](#)

\* Indicates required field

accessible on Kane County's website, or by contacting the department directly. Access our Document Library to view records that are available without a FOIA request.

- **Remember, the Freedom of Information Act is designed to allow you to inspect or receive copies of public records. If you have a question for a representative of Kane County, a FOIA request is not required. Please submit your questions to the appropriate County department or Elected official's office.**
- All written requests shall



be responded to within five (5) working days (5 ILCS/140/3) following the date the request is received, except in the instance when the request is for commercial purposes (within 21 working days). The five day count begins the day after receipt of the request. The requestor will be notified of a five day extension (working days) if the files are voluminous, at different locations, or if other reasons make it impossible to assemble and mail the request out within the normal five day period.

- For black and white, letter or

legal sized copies, the first 50 pages are free, unless a different fee is otherwise fixed by statute. Any additional pages beyond 50 will be charged at .15 cents per copy. Color and oversized copies will be charged the actual cost of copying.

- You are permitted to request a waiver of copying fees associated with this request. Please include a specific explanation as to why your request for information is in the public interest (not simply your personal interest) and merits a fee waiver.
- For more information

regarding the  
Freedom of  
Information  
Act, please visit  
the Illinois  
Attorney  
General's  
website.

- Many offices  
for elected  
officials have  
their own  
unique FOIA  
process. Please  
contact the  
proper office  
for your  
request to  
minimize any  
delays in  
receiving the  
information in  
your request.



---

**[Ext] Your Kane County public records request #25-235 has been submitted.**

---

**From** Kane County FOIA Request - Time Sensitive <messages@nextrequest.com>

**Date** Tue 4/1/2025 5:06 PM

**To** Delaney, Michael <mdelaney@labellapc.com>

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

## Kane County Public Records

**Your record request #25-235 has been submitted successfully.**

**View Request 25-235**

<https://kanecountyil.nextrequest.com/requests/25-235>

As the requester, you can always see the status of your request by signing into the Kane County [portal](#).

If you haven't already signed in, you may need to [activate or setup your account](#) to get started. Once your account is activated, you can communicate directly with the Kane County through NextRequest.

Reply to this email or sign in to contact Kane County.

[Change your email settings](#) | [Visit our help center](#)

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# Freedom of Information Act (FOIA)

## Submit Request

Use this form to request copies of Illinois EPA records.

**If your request is for a commercial purpose, you must identify that it is for a commercial purpose.**

If you have questions concerning whether your request is for a commercial purpose, you may **review the FOIA FAQs**. (<http://epa.illinois.gov/foia/faqs/index>) Please note that it is a violation of the Freedom of Information Act to knowingly obtain a public record for a commercial purpose without disclosing this information, upon request.

Do you have an ID number for a site or facility?

Reference ID number (Optional)

Provide a date range for your request

Date Range

Providing a reasonable date range will prevent an excessive volume of responsive material. This large volume of documents and data can lead to high copy costs and may require extended processing time.

Is your request for a commercial purpose?

☒ Yes ☐ No

What do you want to receive?

Request Narrative





Any records of environmental enforcement; permits regarding environmental matters; information on any environmental remediation, hazardous materials, solid materials, and land use restrictions present on the Site including any existing engineering controls and previous environmental law enforcement regarding these issues. Any information on environmental investigation, including water, air, and any spills reported on the Site. Records for any Petroleum Bulk Storage tanks, Brownfield Cleanup Programs, and Voluntary Cleanup Programs on the Site:

Address: Unaddressed parcel on Route 25, St. Charles, IL 60120

Tax ID: 09-01-200-017

Owner: Tri County Landfill Co

[Submit my request](#)



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**[Ext] Illinois EPA FOIA Request Received - Michael Delaney**

---

**From** epa.foia@illinois.gov <epa.foia@illinois.gov>

**Date** Tue 4/1/2025 5:09 PM

**To** Delaney, Michael <mdelaney@labellapc.com>



## **Illinois Environmental Protection Agency**

---

### **FOIA Request Received**

Tuesday, April 1, 2025

Mr. Michael Delaney  
LaBella Associates  
300 State Street, Suite 201  
Rochester, NY 14614

Requester Type: Consultant

Dear Michael Delaney,

We have received your request for information under the Illinois Freedom of Information Act. Listed below is a summary of what we received in your online request.

**Please do not reply to this email. If you have questions about your request please call (217) 558-5101.**

### **Request Summary**

**Received** 4/1/2025 4:08:29 PM

**Reference Id(s)****Date Range** 01/01/1900 - 04/30/2025

**Request Narrative** Any records of environmental enforcement; permits regarding environmental matters; information on any environmental remediation, hazardous materials, solid materials, and land use restrictions present on the Site including any existing engineering controls and previous environmental law enforcement regarding these issues. Any information on environmental investigation, including water, air, and any spills reported on the Site. Records for any Petroleum Bulk Storage tanks, Brownfield Cleanup Programs, and Voluntary Cleanup Programs on the Site: Address: Unaddressed parcel on Route 25, St. Charles, IL 60120 Tax ID: 09-01-200-017 Owner: Tri County Landfill Co

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**Illinois Environmental Covenant under Uniform Environmental Covenant Act**  
**April 2009**



**2013K014068**

**SANDY WEGMAN**

**RECORDER - KANE COUNTY, IL**

**RECORDED: 2/21/2013 1:22 PM**

**REC FEE: 49.00 RHSPS FEE: 10.00**

[space above reserved for recording information]

**PAGES: 21**

**This instrument was prepared by:**

Name: Lisa S. Zebovitz  
Neal, Gerber & Eisenberg LLP  
Address: 2 N. LaSalle, Ste. 1700  
Chicago, Illinois 60602  
(312) 269-8033 (direct)  
lzebovitz@ngelaw.com

**Please return this instrument to:**

Name: Lisa S. Zebovitz  
Neal, Gerber & Eisenberg LLP  
Address: 2 N. LaSalle, Ste. 1700  
Chicago, Illinois 60602  
(312) 269-8033 (direct)  
lzebovitz@ngelaw.com

Name: Tri-County Landfill Company  
c/o James Evenhouse  
Address: 310 W. Lake Street  
Elmhurst, IL 60126

**ENVIRONMENTAL COVENANT**

1. This Environmental Covenant is made this 15th day of February, 2013, by and among Tri-County Landfill Company, Inc. (Grantor) and the Holders/Grantees further identified in paragraph 3 below pursuant to the Uniform Environmental Covenants Act, 765 ILCS Ch. 122 (UECA) for the purpose of subjecting the Property to the activity and use limitations described herein.

**2. Property and Grantor.**

**A. Property:** The real property subject to this Environmental Covenant is commonly known as the Tri-County portion of the Tri-County/Elgin Landfills Site ("Site"), located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage counties. The Tri-County portion of the Site is located on the southern side of the Site and encompasses approximately 47 acres of land that includes what is commonly described as including both the Tri-County Landfill property and the Elgin-Wayne property. Grantor is the legal owner of the Tri-County Landfill property, which is legally described in Appendix A and is hereinafter referred to as the "Property." Waste Management of Illinois Inc. is the legal owner of the Elgin-Wayne property. Maps of the Site, including the Property, are attached hereto as Appendix B.

**B. Grantor:** Tri-County Landfill Company, Inc. is the current fee owner of the Property (as legally described in Appendix A) and is the "Grantor" of this Environmental Covenant. The mailing address of the Grantor is Tri-County Landfill Company, Inc. c/o James Evenhouse, 310 W. Lake Street, Elmhurst, IL 60126.

**3. Holders (and Grantees for purposes of indexing).**

**A.** The Illinois Environmental Protection Agency (Illinois EPA) is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to its authority under Section 3(b) of UECA. The mailing address of the Illinois EPA is 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276.

**B.** Tri-County Landfill Company, Inc. is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to UECA whose mailing address is Tri-County Landfill Company, c/o James Evenhouse, 310 W. Lake Street, Elmhurst, IL 60126. Regardless of any future transfer of the Property, Tri-County Landfill Company shall remain a Holder of this Environmental Covenant. Tri-County Landfill Company is to be identified as both Grantee and Grantor for purposes of indexing.

**C.** Waste Management of Illinois, Inc. is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to UECA. The mailing address of Waste Management is 720 E. Butterfield Road, Lombard, IL 60148.

**4. Agencies.** The Illinois EPA and the United States Environmental Protection Agency (U.S. EPA) are "Agencies" within the meaning of Section 2(2) of UECA. The Agencies have approved the environmental response project described in paragraph 5 below and may enforce this Environmental Covenant pursuant to Section 11 of UECA.

**5. Environmental Response Project and Administrative Record.**

**A.** This Environmental Covenant arises under an environmental response project as defined in Section 2(5) of UECA.

**B.** The Property is part of the Site, which the U.S. EPA, pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42

U.S.C. § 9605, placed on the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B. In a Record of Decision (ROD) signed by the U.S. EPA Region 5 Superfund Division Director on September 30, 1992 on which the Director of Illinois EPA has given its concurrence ("ROD"), the Agencies approved a plan for environmental remediation of the Site, including the Property. An Administrative Order for the Remedial Design and Remedial Action of the Tri-County Portion of the Site was issued to WMIII in 1999 by U.S. EPA pursuant to section 106(a) of CERCLA, as amended, 42 U.S.C. § 9606(a). The components of the remedies selected and updated in: the ROD, the 1996, 1998, 1999, and 2001 Explanations of Significant Differences, and the 2001 Preliminary Closeout Report have been fully implemented and remain effective under the 1999 UAO with the exception of final implementation of institutional controls necessary for long term protectiveness, which are currently being implemented. The remedy implemented at the Site was deemed protective of human health and the environment by U.S. EPA in its Second Five-Year Review Report dated September 3, 2009.

C. Grantor wishes to cooperate fully with the Agencies in the implementation, operation, and maintenance of all response actions at the Site, including institutional controls.

D. The Administrative Record for the environmental response project at the Tri-County/Elgin Landfills Site (including the Property) is maintained at the U.S. EPA Superfund Record Center, 7<sup>th</sup> Floor, 77 West Jackson Blvd, Chicago, Illinois 60604. Persons may also contact FOIA Officer, 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276 for the Administrative Record or other information concerning the Site.

6. **Grant of Covenant. Covenant Runs With The Land.** Grantor creates this Environmental Covenant pursuant to UECA so that the Activity and Use Limitations and associated terms and conditions set forth herein shall "run with the land" in accordance with Section 5(a) of UECA and shall be binding on Grantor, its heirs, successors and assigns, and on all present and subsequent owners, occupants, lessees or other person acquiring an interest in the Property.

7. **Activity and Use Limitations.** The following Activity and Use Limitations apply to the use of the Property solely as they relate to the environmental response project outlined in paragraph 5(B) above. To the extent that the ROD is modified, additional Explanations of Significant Differences are issued, or other changes are made with regard to the environmental response project outlined in paragraph 5(B), this environmental covenant shall be amended or modified in accordance with paragraphs 15 and 17(B) of this Agreement.

A. **Restricted groundwater use:** Except as required as part of a U.S. EPA or Illinois EPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.

B. **Restricted Land Use:** All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.

C. **No interference with the Remedy:** Except as required as part of a U.S. EPA or Illinois EPA approved activity and approved in writing by U.S. EPA or Illinois EPA, any activity



within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.

8. **Right of Access.** Grantor consents to officers, employees, contractors, and authorized representatives of the Holders, Illinois EPA and U.S. EPA entering and having continued access at reasonable times to the Property for the following purposes:

- A. Implementing, operating and maintaining the environmental response project described in paragraph 5 above;
- B. Monitoring and conducting periodic reviews of the environmental response project described in paragraph 5 above including without limitation, sampling of air, water, groundwater, sediments and soils;
- C. Verifying any data or information submitted to U.S. EPA or Illinois EPA by Grantor and Holders; and
- D. Verifying that no action is being taken on the Property in violation of the terms of this instrument, the environmental response project described in paragraph 5 above or of any federal or state environmental laws or regulations;

Nothing in this document shall limit or otherwise affect U.S. EPA and Illinois EPA's rights of entry and access or U.S. EPA's and Illinois EPA's authority to take response actions under CERCLA, the National Contingency Plan ("NCP"), RCRA or other federal and state law.

9. **Reserved rights of Grantor:** Grantor hereby reserves unto itself, its successors, and assigns, including heirs, lessees and occupants, all rights and privileges in and to the use of the Property which are not incompatible with the activity and use limitations identified herein.

10. **No Public Access and Use:** No right of access or use by the general public to any portion of the Property is conveyed by this instrument.

11. **Future Conveyances, Notice and Reservation:**

A. Grantor agrees to include in any future instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases and mortgages, a notice and reservation which is in substantially the following form:

THE INTEREST CONVEYED HEREBY IS SUBJECT TO AND GRANTOR SPECIFICALLY RESERVES THE ENVIRONMENTAL COVENANT EXECUTED UNDER THE UNIFORM ENVIRONMENTAL COVENANTS ACT (UECA) AT 765 ILCS CH. 122 RECORDED IN THE OFFICIAL PROPERTY RECORDS OF KANE COUNTY, ILLINOIS ON [DATE] \_\_\_\_\_ AS DOCUMENT NO. \_\_\_\_\_, IN FAVOR OF AND ENFORCEABLE BY GRANTOR AS A UECA HOLDER, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AS A UECA HOLDER AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY AS A UECA AGENCY.

**B.** Grantor agrees to provide written notice to Illinois EPA and U.S. EPA within 30 days after any conveyance of fee title to the Property or any portion of the Property. The notice shall identify the name and contact information of the new Owner, and the portion of the Property conveyed to that Owner.

**12. Enforcement and Compliance.**

**A. Civil Action for Injunction or Equitable Relief.** This Environmental Covenant may be enforced through a civil action for injunctive or other equitable relief for any violation of any term or condition of this Environmental Covenant, including violation of the Activity and Use Limitations under Paragraph 7 and denial of Right of Access under Paragraph 8. Such an action may be brought individually or jointly by:

- i. the Illinois Environmental Protection Agency;
- ii. the Holders of the Environmental Covenant; and
- iii. the United States Environmental Protection Agency.

**B. Other Authorities Not Affected. No Waiver of Enforcement.** All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Nothing in this Environmental Covenant affects U.S. EPA or Illinois EPA's authority to take or require performance of response actions to address releases or threatened releases of hazardous substances or pollutants or contaminants at or from the Property, or to enforce a consent order, consent decree or other settlement agreement entered into by U.S. EPA or Illinois EPA. Enforcement of the terms of this instrument shall be at the discretion of the Holders, the U.S. EPA and Illinois EPA and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA.

**C. Former Owners And Interest Holders Subject to Enforcement.** An Owner, or other person that holds any right, title or interest in or to the Property remains subject to enforcement with respect to any violation of this Environmental Covenant by the Owner or other person which occurred during the time when the Owner or other person was bound by this Environmental Covenant regardless of whether the Owner or other person has subsequently conveyed the fee title, or other right, title or interest, to another person.

**13. Waiver of certain defenses:** This Environmental Covenant may not be extinguished, limited, or impaired through issuance of a tax deed, foreclosure of a tax lien, or application of the doctrine of adverse possession, prescription, abandonment, waiver, lack of enforcement, or acquiescence, or similar doctrine as set forth in Section 9 of UECA.

**14. Representations and Warranties:** Grantor hereby represents and warrants to the Illinois EPA, U.S. EPA and any other signatories to this Environmental Covenant that, at the time of execution of this Environmental Covenant, that the Grantor is lawfully seized in fee

simple of the Property, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein, that the Property is free and clear of encumbrances, except those noted on Appendix C attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof. After recording this instrument, Grantor will provide a copy of this Environmental Covenant to all holders of record of the encumbrances including any entities noted on Appendix C.

**15. Amendment or Termination.** This Environmental Covenant may be amended or terminated by consent only if the amendment or termination is signed by the Illinois EPA, U.S. EPA, Waste Management of Illinois, Inc. (as Holder) and the current owner of the fee simple of the Property, unless waived by the Agencies. If Grantor no longer owns the Property at the time of proposed amendment or termination, Grantor waives the right to consent to an amendment or termination of the Environmental Covenant.

**16. Notices.** Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor:

Tri-County Landfill Company  
c/o James Evenhouse  
310 W. Lake Street  
Elmhurst, IL 60126

To Holder:

Waste Management of Illinois, Inc.  
Mr. Michael L. Peterson  
District Manager - Closed Sites  
Waste Management, Inc.  
W124-N9355 Boundary Road  
Menomonee Falls, WI 53051

Waste Management of Illinois, Inc.  
c/o Lisa S. Zeboyitz  
2 N. LaSalle, Ste. 1700  
Chicago, IL 60602

To Agencies:

U.S. Environmental Protection Agency  
Superfund Division Director  
77 West Jackson Boulevard  
Chicago, IL 60604

Illinois Environmental Protection Agency  
Chief, Bureau of Land  
1021 N. Grand Avenue East

P.O. Box 19276  
Springfield, IL 62794-9276

**17. Recording and Notice of Environmental Covenant, Amendments and Termination.**

**A. The Original Environmental Covenant.** An Environmental Covenant must be recorded in the Office of the Recorder or Registrar of Titles of the county in which the property that is the subject of the Environmental Covenant is located. Within 30 days after the Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Grantor this Environmental Covenant, the Grantor shall record this Environmental Covenant in the office of the County Recorder or Registrar of Titles for the County in which the Property is located.

**B. Termination, Amendment or Modification.** Within 30 days after Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Owner any termination, amendment or modification of this Environmental Covenant, the Owner shall record the amendment, modification, or notice of termination of this Environmental Covenant in the office of the County Recorder or Registrar of Titles in which the Property is located.

**C. Providing Notice of Covenant, Termination, Amendment or Modification.** Within 30 days after recording this Environmental Covenant, the Grantor shall transmit a copy of the Environmental Covenant in recorded form to:

- i. the Illinois EPA;
- ii. the U.S. EPA;
- iii. each person holding a recorded interest in the Property, including those interests in Appendix C;
- iv. each person in possession of the Property; and
- v. each political subdivision in which the Property is located.

Within 30 days after recording a termination, amendment or modification of this Environmental Covenant, the Owner shall transmit a copy of the document in recorded form to the persons listed in items i to v above.

**18. General Provisions:**

**A. Controlling law:** This Environmental Covenant shall be construed according to and governed by the laws of the State of Illinois and the United States of America.

**B. Liberal construction:** Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Grantor to effect the purpose of this instrument and the policy and purpose of the environmental response project and its authorizing legislation. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

**C. No Forfeiture:** Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

**D. Joint Obligation:** If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**E. Captions:** The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

**19. Effective Date.** This Environmental Covenant is effective on the date of acknowledgement of the signature of the Illinois EPA and U.S. EPA, whichever is later.

**20. List of Appendices:**

**Appendix A — Legal Description of the Property**  
**Appendix B — Site Maps, including Property boundaries**  
**Appendix C — Title search (List of Recorded Encumbrances)**

Signature Pages to follow

THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

**FOR THE GRANTOR:**

TRI-COUNTY LANDFILL COMPANY

By James A. Evenhouse (signature)

JAMES A. EVENHOUSE (print)

Title: PRESIDENT (print)

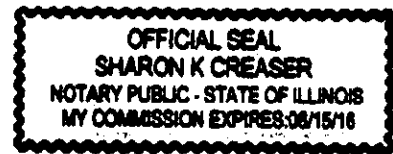
State of Illinois )  
)SS.

County of DuPage )

On Feb 15, 2013 this instrument was acknowledged before me by James A. Evenhouse of Tri-County Landfill Company, on behalf of Tri-County Landfill Company.

Sharon K Creaser (signature)  
Notary Public

My Commissioner Expires 6-15-16





FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

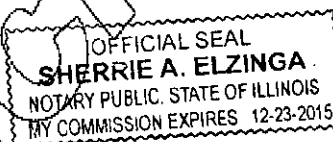
By [Signature] (signature)  
John J. Kim, Director  
Illinois Environmental Protection Agency

State of Illinois )  
                          )SS.  
County of         )

This instrument was acknowledged before me on December 20, 2012, by  
JOHN J. KIM, the Director of the Illinois Environmental Protection  
Agency, a state agency, on behalf of the State of Illinois.

[Signature] (signature)  
Notary Public

My Commission Expires 12/23/2015



Unofficial

FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

On behalf of the Administrator of the  
United States Environmental Protection Agency

By Richard C. Karl  
Richard C. Karl, Director  
Superfund Division  
U.S. Environmental Protection Agency, Region 5



STATE OF ILLINOIS     )  
                                      )SS.  
COUNTY OF             )

The foregoing instrument was acknowledged before me on this 10<sup>th</sup> day of  
JANUARY, 2013, by Richard C. Karl, Director, Superfund Division, Region 5 of the  
United States Environmental Protection Agency.

Bertanna M. Louie (signature)  
Notary Public

My Commission Expires March 15, 2014

THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

**FOR HOLDER:**

WASTE MANAGEMENT OF ILLINOIS, INC.

By *Jack Dowden* (signature)

Jack Dowden (print)

Title: Group Director-Midwest (print)

State of Illinois )

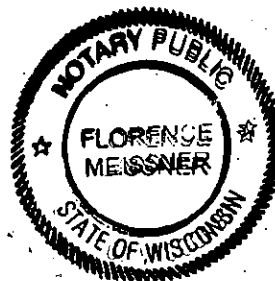
)SS.

County of )

On June 27, 2012 this instrument was acknowledged before me by,  
Jack Dowden of Waste Management of Illinois, Inc., on behalf of  
Waste Management of Illinois, Inc.

*Florence Meissner* (signature)  
Notary Public

My Commissioner Expires 9/15/2013



NGEDOCs: 014450.0003:1649265.2

# APPENDIX A

Unofficial



Reference:

## LEGAL DESCRIPTION (Cont'd)

County: KANE

Order Number: H25209622

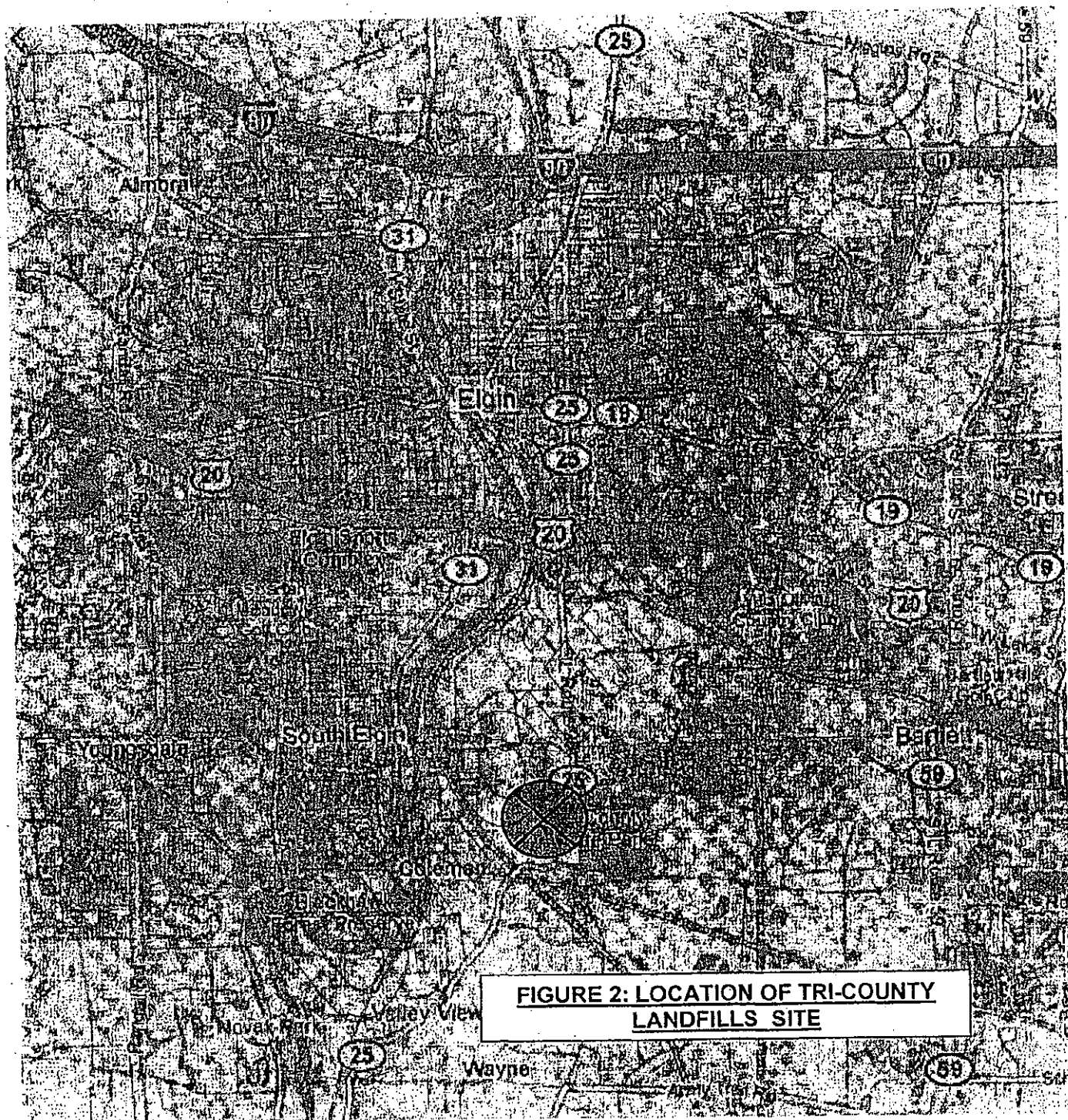
Address of Property: ILLINOIS

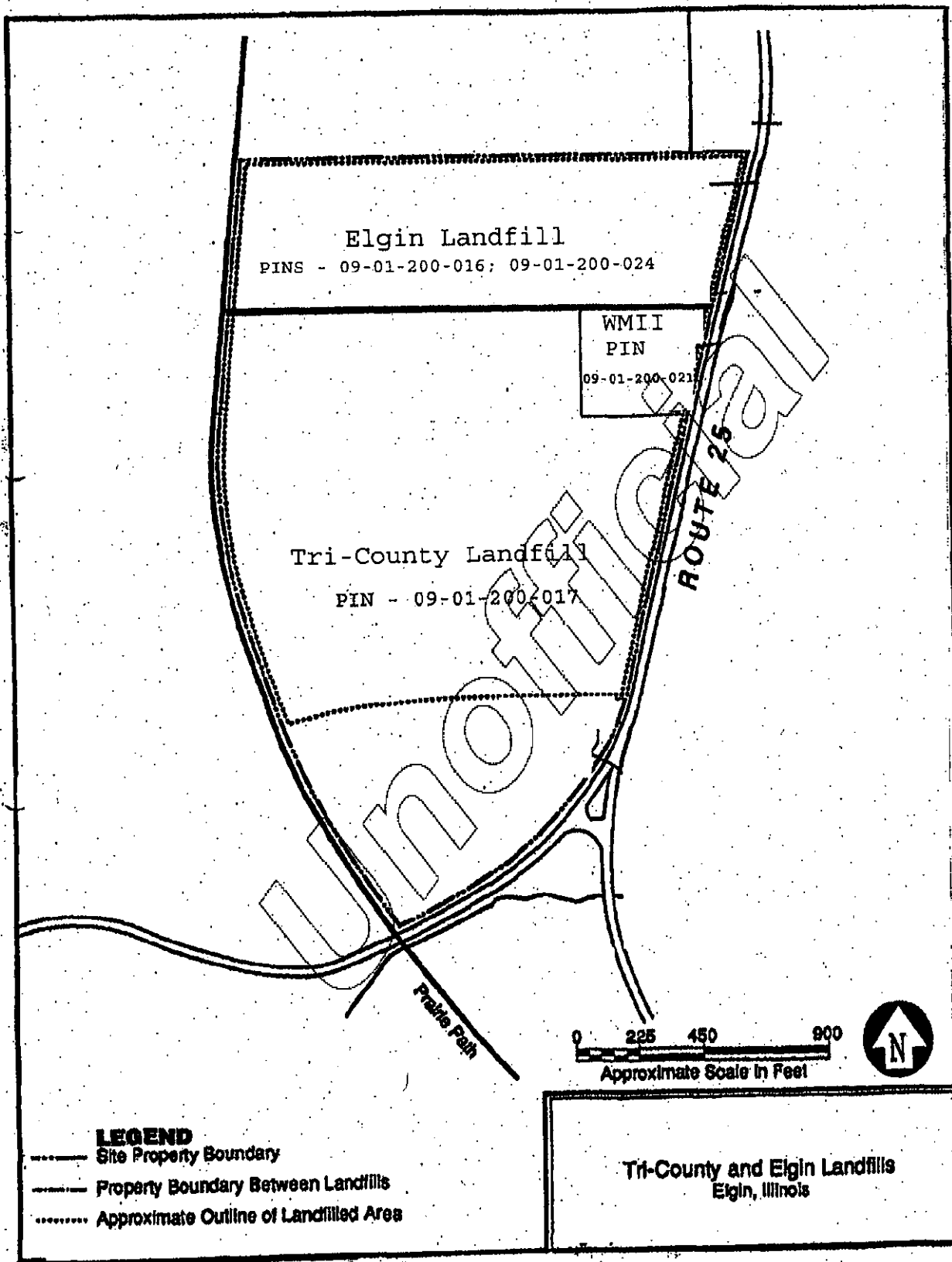
SECTION 1; THENCE WEST ALONG THE NORTH LINE OF SAID SECTION 1285.25 FEET TO THE EXTENDED TANGENT CENTER LINE FROM THE SOUTH OF THE CONCRETE PAVEMENT ON STATE HIGHWAY NO. 25; THENCE SOUTHWESTERLY ALONG SAID CENTER LINE AND SAID LINE EXTENDED 2088.0 FEET; THENCE WESTERLY ALONG A LINE MAKING AN ANGLE OF 102 DEGREES 49 MINUTES MEASURED FROM THE NORTH EAST TO NORTH TO WEST WITH SAID DESCRIBED CENTER LINE AND EXTENDED CENTERLINE 10.9 FEET TO A POINT IN THE CENTER OF THE CONCRETE PAVEMENT; THENCE CONTINUING WEST ALONG SAID LAST DESCRIBED LINE EXTENDED (BEING ALSO THE NORTH LINE OF A 10.06 ACRE PARCEL OF LAND CONVEYED TO CLAIRMARIE VANEK BY DEED DATED MARCH 23, 1959 AND RECORDED APRIL 6, 1959 IN BOOK 1954, PAGE 319 AS DOCUMENT 886279) 1094.7 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF RAILWAY ON A CURVE TO THE RIGHT HAVING A RADIUS OF 2814.93 FEET A DISTANCE OF 148.82 FEET FOR THE POINT OF BEGINNING; THENCE EAST ON A LINE PARALLEL TO AND 140.0 FEET NORTH OF, AS MEASURED AT RIGHT ANGLES, TO THE SAID NORTH LINE OF SAID VANEK 10.06 ACRE PARCEL OF LAND, A DISTANCE OF 1188.07 FEET TO THE SAID CENTER OF THE CONCRETE PAVEMENT OF STATE HIGHWAY NO. 25; THENCE NORTHEASTERLY ALONG SAID CENTER LINE TO A LINE DRAWN PARALLEL WITH AND 532.62 FEET SOUTH OF, MEASURED AT RIGHT ANGLES, THE NORTH LINE OF SECTION 1; THENCE WEST ALONG SAID PARALLEL LINE TO THE EASTERLY LINE OF THE AFORESAID RIGHT OF WAY OF THE CHICAGO, AURORA AND ELGIN RAILWAY; THENCE SOUTHERLY ALONG SAID EASTERLY LINE TO THE POINT OF BEGINNING, (EXCEPT THOSE PARTS IN TRACTS CONVEYED TO WASTE MANAGEMENT OF ILLINOIS, INC. BY DEED DOCUMENTS 1478701 RECORDED OCTOBER 11 1978 AND 1574059 RECORDED APRIL 15 1981) IN KANE COUNTY, ILLINOIS.

# APPENDIX B

Unofficial







# APPENDIX C



CHICAGO TITLE INSURANCE COMPANY  
505 E. NORTH AVE.  
CAROL STREAM, IL 60188

(630)668-3074

( ) -

Client:

Reference:

## CHAIN OF TITLE

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

Permanent Real Estate Index Number:

REFLECTING THE FOLLOWING INSTRUMENT TYPES: DEEDS & EASEMENTS

### Legal Description:

THAT PART OF THE NORTH HALF OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID

Search Dated:

Covering Records of: 05/29/09

DEED RECORDED 09/08/88 AS DOCUMENT NO. 1930782 FROM FIRST COLONIAL TRUST CO., TR #1379, GRANTOR(S) TO TRI-COUNTY LANDFILL CO., INC, GRANTEE(S).

DEED RECORDED 09/29/88 AS DOCUMENT NO. 1934570 FROM FIRST COLONIAL TRUST CO., TR #1379, GRANTOR(S) TO TRI-COUNTY LANDFILL CO., INC, GRANTEE(S).

RIGHTS OF THE PUBLIC AND OF THE PEOPLE OF THE STATE OF ILLINOIS IN AND TO THOSE PARTS OF THE LAND DEDICATED FOR THE PURPOSE OF PUBLIC HIGHWAYS BY INSTRUMENTS FROM J. F. REINERT AND MARY A. REINERT, DATED DECEMBER 29, 1929 AND RECORDED JANUARY 6, 1930 AS DOCUMENT 330805 AND DATED NOVEMBER 12, 1936 AND RECORDED SEPTEMBER 7, 1937 AS DOCUMENT 413519.

GRANT FROM MATERIAL SERVICE CORPORATION TO THE ILLINOIS BELL TELEPHONE COMPANY, ITS SUCCESSORS AND ASSIGNS DATED DECEMBER 10, 1948 AND RECORDED JANUARY 13, 1949 AS DOCUMENT 619085 OF THE RIGHT TO CONSTRUCT, RECONSTRUCT, OPERATE AND MAINTAIN LINES OF TELEPHONE AND TELEGRAPH CONSISTING OF SUCH POLES, WIRES, CABLES, ANCHORS, GUYS, CONDUITS, MANHOLES AND OTHER FIXTURES AS THE GRANTEE MAY FROM TIME TO TIME REQUIRE, UPON, ALONG 7 UNDER THE PUBLIC ROADS, STREETS AND HWYS ON OR ADJOINING THE PROPERTY WHICH THEY OWN, OR IN WHICH THEY HAVE ANY INTEREST IN EAST 1/2 OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN TOGETHER WITH RIGHT TO PERMIT ATTACHMENT OF AND TO CARRY IN CONDUIT WIRES AND CABLES OF ANY OTHER COMPANIES, AND RIGHT TO OVERHANG SAID PROPERTY WITH CROSSARMS, WIRES, 7 OTHER EQUIPMENT AND TO TRIM NOW AND HEREAFTER ANY TREES ON OR ADJOINING SAID PROPERTY.

EASEMENT FOR INGRESS AND EGRESS IN THE DEED DOCUMENT 1478701 RECORDED OCTOBER 11 1978

This is not a title insurance policy, guarantee, or opinion of title and should not be relied upon as such. This Search is provided on the terms and conditions set forth in the attached Statement of Terms and Conditions.



Reference:

## LEGAL DESCRIPTION (Cont'd)

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

SECTION 1; THENCE WEST ALONG THE NORTH LINE OF SAID SECTION 1285.25 FEET TO THE EXTENDED TANGENT CENTER LINE FROM THE SOUTH OF THE CONCRETE PAVEMENT ON STATE HIGHWAY NO. 25; THENCE SOUTHWESTERLY ALONG SAID CENTER LINE AND SAID LINE EXTENDED 2088.0 FEET; THENCE WESTERLY ALONG A LINE MAKING AN ANGLE OF 102 DEGREES 49 MINUTES MEASURED FROM THE NORTH EAST TO NORTH TO WEST WITH SAID DESCRIBED CENTER LINE AND EXTENDED CENTERLINE 10.9 FEET TO A POINT IN THE CENTER OF THE CONCRETE PAVEMENT; THENCE CONTINUING WEST ALONG SAID LAST DESCRIBED LINE EXTENDED (BEING ALSO THE NORTH LINE OF A 10.06 ACRE PARCEL OF LAND CONVEYED TO CLAIRMARIE VANEK BY DEED DATED MARCH 25, 1959 AND RECORDED APRIL 6, 1959 IN BOOK 1954, PAGE 319 AS DOCUMENT 886279) 1094.7 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF RAILWAY ON A CURVE TO THE RIGHT HAVING A RADIUS OF 2814.93 FEET A DISTANCE OF 148.82 FEET FOR THE POINT OF BEGINNING; THENCE EAST ON A LINE PARALLEL TO AND 140.0 FEET NORTH OF, AS MEASURED AT RIGHT ANGLES, TO THE SAID NORTH LINE OF SAID VANEK 10.06 ACRE PARCEL OF LAND, A DISTANCE OF 1188.07 FEET TO THE SAID CENTER OF THE CONCRETE PAVEMENT OF STATE HIGHWAY NO. 25; THENCE NORTHEASTERLY ALONG SAID CENTER LINE TO A LINE DRAWN PARALLEL WITH AND 532.62 FEET SOUTH OF, MEASURED AT RIGHT ANGLES, THE NORTH LINE OF SECTION 1; THENCE WEST ALONG SAID PARALLEL LINE TO THE EASTERLY LINE OF THE AFORESAID RIGHT OF WAY OF THE CHICAGO, AURORA AND ELGIN RAILWAY; THENCE SOUTHERLY ALONG SAID EASTERLY LINE TO THE POINT OF BEGINNING. (EXCEPT THOSE PARTS IN TRACTS CONVEYED TO WASTE MANAGEMENT OF ILLINOIS, INC. BY DEED DOCUMENTS 1478701 RECORDED OCTOBER 11 1978 AND 1574059 RECORDED APRIL 15 1981) IN KANE COUNTY, ILLINOIS.



Reference:

## SEARCH INFORMATION (Cont'd)

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

NOTICE OF UNILATERAL ADMINISTRATIVE ORDER RECORDED OCTOBER 28 1998 DOCUMENT 98K099341 AS TO SUPER FUND SITE, EPA AND LANDFILL AND RELATED

NOTICES OF ADMINISTRATIVE ORDER AS TO ENVIRONMENTAL MATTERS, EPA, LAND FILL AND REMEDIATION AND RELATED

RECORDED DECEMBER 27 1999 DOCUMENT 1999K120931

RECORDED FEBRUARY 17 1999 DOCUMENT 1999K017820

RESTRICTIONS AS TO DRILLING, GROUNDWATER, CONSTRUCTION, UTILITY, MAINTENANCE AND OTHER MATTERS RECORDED 01/21/03 AS DOCUMENT 2003K9755

EASEMENT FOR ACCESS AND ENVIRONMENTAL TESTING RECORDED MAY 30 2006 DOCUMENT 2006K057785 AND RERECORDED AUG. 31 2006 DOCUMENT 2006K095944 WITH WASTE MANAGEMENT OF IL INC. AND AGAIN RERECORDED AS DOCUMENT 2006K127276 NOV 21 2006

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This is not a title insurance policy, guarantee, or opinion of title and should not be relied upon as such. This Search is provided on the terms and conditions set forth in the attached Statement of Terms and Conditions.

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SRCHCONT 04/06 ML



**EPA Superfund  
Explanation of Significant Differences:**

**TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT  
OF ILLINOIS, INC.  
EPA ID: ILD048306138  
OU 00  
SOUTH ELGIN, IL  
07/14/1999**




**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF: SR-6J

**MEMORANDUM**

**DATE:** September 27, 1999

**SUBJECT:** **Explanation of Significant Differences (ESD)**  
Tri-County/Elgin Landfills Superfund Site  
St. Charles Township, Kane County, Illinois  
CERCLIS ID# ILD 048 306 138, Site Spill ID# 052G

**FROM:** John J. O'Grady (SR-6J)  
Remedial Project Manager  
Superfund Division 

**TO:** ROD CLEARINGHOUSE

Attached please find a hard-copy of the ESD for the Tri-County/Elgin landfills Superfund Site that was signed on July 14, 1999.

If you have any questions, please contact me at your earliest convenience.

Sincerely,

John J. O'Grady (SR-6J)  
Remedial Project Manager  
Superfund Division  
U.S. EPA Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Telephone: (312) 886-1477  
Facsimile: (312) 886-4071  
E-Mail: ogrady.johnj@epa.gov



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF SR-6J

**EXPLANATION OF SIGNIFICANT DIFFERENCES**

**TRI-COUNTY-ELGIN LANDFILLS SUPERFUND SITE  
ST. CHARLES TOWNSHIP, KANE COUNTY, ILLINOIS**

**I. Introduction**

The Tri-County/Elgin Landfills Superfund Site (the Site) encompasses both the Tri-County and Elgin Landfills. The Site is located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage Counties. The Tri-County Landfill, an inactive landfill of 463 acres, the 16.2-acre Elgin Landfill, and the Elgin-Wayne Property of 4.0 acres, are located 2/3 of a mile southeast of the Village of South Elgin, St. Charles Township, Kane County, Illinois.

Response actions at the Site are being taken under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The lead and support regulatory agencies for the Site are the United States Environmental Protection Agency (U.S. EPA) and the Illinois Environmental Protection Agency (Illinois EPA), respectively.

Section 117(c) of CERCLA and Section 300.435(c)(2)(i) of the NCP establish procedures for explaining, documenting, and informing the public of significant changes to the remedy that occur after the Record of Decision (ROD) is signed. An Explanation of Significant Differences (ESD) is required when the remedial action to be taken differs from the remedy selected in the ROD but does not fundamentally alter the scope, performance, or cost of the remedy. Generally, an ESD is prompted when significant new information becomes available during or after the public comment period for the ROD. In the case of the Site, this information was provided in a pre-design investigation report which was developed under an Administrative Order on Consent (AOC), the final (100%) remedial design (RD) approved on September 30, 1997, a revision to the approved final RD Report, dated March 1999, and the final remedial action Work Plan approved on May 25, 1999.

This ESD and supporting documents are a part of the Administrative Record file which is available for viewing at the Gail Borden Public Library, Elgin, Illinois, and the U.S. EPA

***Final Version; July 13, 1999***

***J. O'Grady***

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

Regional Offices in Chicago, Illinois, during normal business hours. Notice of availability of this ESD and supporting documents will be published in a local newspaper of general circulation. The public is encouraged to review the updated Administrative Record to better understand the U.S. EPA's rationale for changing the selected remedy.

### **II. Site History**

The Site includes two adjacent landfills, the Tri-County Landfill and the Elgin Landfill, respectively. While the two landfills supposedly had separate operations, historical aerial photographs indicate that the two disposal operations overlapped, to the point where the two landfills were indistinguishable. A short history for each landfill is provided below.

#### **Tri-County Landfill**

Prior to the 1940's, the Tri-County Landfill site was part of a gravel mining operation. Waste disposal at the Tri-County Landfill reportedly began in April 1968 and continued until December 1976. The Elgin-Wayne Disposal Company had initiated disposal operations at the landfill under a disposal permit issued by Kane County. During the period from 1968 to 1972, operations at the Tri-County Landfill were managed by the Elgin-Wayne Disposal Company. In 1970, the Tri-County Landfill Company (the actual owner of the property on record) was issued a permit by the Illinois Department of Health to operate the site as a solid waste disposal landfill (Permit 1970-DS-43).

The Tri-County Landfill Company was issued an operational solid waste disposal permit by the Illinois EPA in 1975 (Permit 1975-24-OP) and a supplemental pennit was issued by the Illinois EPA in 1976 (Supplemental Permit 1976/409). However, site operations continued under the management of the Elgin-Wayne Disposal Company until 1976.

The Kane County Building and Zoning Permit, originally issued in 1970, stated that landfilling was to occur in trenches. However, inspection records on file at the Illinois EPA cite open dumping at the landfill and that the "area" method of landfilling was occasionally used. Background data suggests that waste was disposed of directly into the abandoned gravel quarry. Most of the dumping of liquid and industrial waste reportedly occurred at the Tri-County Landfill during the interval from 1968 to 1974,

Although the landfill operations ceased in December of 1976, the existing cover was not emplaced until early 1981. Correspondence from the Illinois EPA to Waste Management of Illinois, Inc., (WMI) on April 14, 1981, indicated that the landfill had been satisfactorily closed and covered. The State did caution WMI that if problems relating to leachate, surface drainage or erosion were to develop in the future, they should be promptly corrected. Additional correspondence from the State of Illinois to WMI through the end of 1981 cites erosion, ponding, and leachate problems occurring at the Tri-County Landfill.

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

### **Elgin Landfill**

Like the Tri-County Landfill, the Elgin Landfill property was the site of a sand and gravel mining business that was operated by the Material Service Company until the late 1950's. Waste disposal operations began in 1961 under the name of the Elgin Landfill Company. No formal method of waste disposal was employed at the site and it appears that irregular areas were excavated, filled with waste, and eventually covered. The Elgin Landfill originally operated under a permit issued by Kane County in 1961.

Records detailing the amount and type of waste disposed report that residential and commercial rubbish, industrial waste and incinerator ash were disposed of at the landfill from 1961-1976.

### **Land Use**

Most of the residential properties in the vicinity of the Site are located in the Village of South Elgin, approximately 2/3 of a mile west of the Site, west of the Woodland Landfill. The residences nearest the Site are located along Dunham and Steams Roads approximately 1,000 feet southeast of the Site. A farm house is located approximately 1,200 feet north of the Site. Other residences, most of which are single-family dwellings, are scattered throughout the area surrounding the Site. Many of the homes and businesses in the area of the landfills rely on their own private wells to provide drinking water and water for general use. Several businesses operate on the Elgin portion of the Site, using water from wells that penetrate the landfill. These businesses are currently advised against potable use of their wells.

On the west and southwest boundaries, the Site properties are enclosed by the Prairie Path, which is a former railroad right of way converted into a public bicycle and footpath. The east and southeast Site boundary is bordered by Route 25, along which several commercial businesses are located. The northern property boundary of the Elgin Landfill is bordered by agricultural land. The land surrounding the Site to the north and to the east is used predominantly for agriculture. The land to the west of the Site is occupied by the Woodland Landfill. The Woodland Landfill is an active sanitary landfill which has accepted municipal and selected special wastes since 1976.

Surface water features in the area surrounding the Site include the Fox River, Brewster Creek, an unnamed tributary to Brewster Creek, and their associated wetlands. The Fox River is located approximately one mile to the west of the Site. Brewster Creek is a small, east to west flowing stream located 1/2-mile south of the Site. The unnamed tributary to Brewster Creek flows toward the Site from the east, by-passes the site on the south side, and continues to flow south to discharge into Brewster Creek, which flows west into the Fox River.

### **III. Site Enforcement Activities and the Record of Decision**

In May 1971, the Elgin Jaycees, with the support of the Village of South Elgin and village residents, filed a complaint with the Illinois Pollution Control Board (IPCB). This complaint

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

named the Tri-County Landfill Company and Elgin Landfill Company as respondents. The IPCB complaint was initiated because of suspected surface water and ground water contamination.

On April 12, 1973, the IPCB ordered the respondents to “cease and desist the causing of water pollution and the threat of water pollution on their respective sites,” and to pay specified penalties and post bonds. State records indicate that several lawsuits and appeals ensued involving both landfills subsequent to the IPCB decision, and that the landfills continued to operate during the pendency of the litigation.

The Site was placed on the National Priorities List (NPL) of Superfund sites in March, 1989. The U.S. EPA conducted a Remedial Investigation (RI) and Feasibility Study (FS) from 1988 to 1992 to define the nature and extent of contamination and evaluate alternatives for Site cleanup. The RI identified contamination in soil, sediment, and ground water, and determined that a primary pathway for the contaminants to migrate off-site was through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and then transporting them to ground water and surface water by surface and subsurface flow. On September 30, 1992, the U.S. EPA signed a ROD selecting a remedy for the Site with the concurrence of the Illinois EPA.

The major components of the 1992 ROD include:

- < excavation and consolidation under the landfill cap of contaminated sediments that exceed background;
- < construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and RCRA Subtitle D cover requirements, as applicable;
- < collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-site, low-level ground water contamination, to ultimately comply with drinking water or health-based standards in all ground water outside of the waste boundaries;
- < active collection and treatment of landfill gases,
- < comprehensive monitoring program to ensure the effectiveness of the remedy;
- < institutional controls to limit land and groundwater use; and
- < provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the ground water response component.

The estimated present worth of this remedy, as documented in the ROD, is \$12,624,000, with the ground water component accounting for \$3,000,000 of that cost.

The June 25, 1996, modification to the cleanup plan (an ESD) deferred implementation of the ground water component. This allowed for a period of observation to see how effective the other



## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

components alone could be in reducing ground water contamination migration. Depending on long-term monitoring results, the ground water component may be constructed or deleted from the remedy.

An AOC for RD was signed on February 2, 1994, with two potentially responsible parties (PRPs), WMI and Browning Ferris Industries of Illinois, Inc. (BFI). The AOC refined certain design elements of the landfill cap and set specific performance standards for the barrier layer. It also provided some design flexibility to ensure that performance standards were met. Under the AOC, the Respondents conducted and reported to the U.S. EPA on a pre-design investigation (PDI), and then completed the RD. The purpose of the PDI was to acquire needed design parameters, determine background levels for soil and sediments, confirm hydrogeologic conditions, determine an appropriate period of attenuation for the off-site ground water, and ensure through sampling that residential wells were not being affected by the Site.

Negotiations for a remedial action consent decree ended in September, 1998. On September 24, 1998, a Unilateral Administrative Order (UAO) for remedial action was then issued to WMI, and the Tri-County Landfill Company. An additional UAO was issued to BFI on November 19, 1998. The Remedial Action Work Plan was approved, and the Notice of Authorization to Proceed with the Remedial Action was transmitted to the Respondents, on May 25, 1999. The RA is expected to be completed by Fall 2000. However, because of the deferred ground water component, this Site may not qualify as a construction completion until the ground water component is either constructed or eliminated. The Preconstruction Inspection and Meeting was conducted on June 9, 1999.

A *de minimis* settlement was offered to over 400 companies, of which 125 companies signed up for a settlement worth approximately \$2.1-million. The *de minimis* settlement was finalized on June 11, 1999.

For more details of the RI/FS, ROD, and AOC, please refer to the Administrative Record.

### **IV. Description of and Basis for Significant Differences**

Background information on the Site, and its operating and regulatory histories, is contained in the RI Report prepared by WW Engineering & Science (1992), for the U.S. EPA. The PDI Report was prepared by Montgomery Watson (1996) for WMI and BFI and provided additional Site information to further support the RD. The Final (100% Complete) RD Report was prepared by Montgomery Watson (1997) for WMI and BFI. The U.S. EPA issued approval of the Final RD Report on September 30, 1997. The U.S. EPA issued two previous ESDs to the September 30, 1992, ROD: (1) The first, dated June 25, 1996, deferred the decision to install the groundwater treatment remedy for a period of 5 years after completion of the landfill cover construction; and

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

(2) The second, dated April 23 1998, concerned a change in the landfill cover configuration from the original ROD.

A revision to the approved Final (100 % Complete) Remedial Design Report, dated March 1999, was submitted by Montgomery Watson on behalf of WMI. The purpose of the revised RD is to install a high strength, low-permeability ( $1 \times 10^{-8}$  cm/sec) asphalt cover, which replaces the previously approved asphalt layer, the geosynthetics, and 18 inches of the general fill layer over the geosynthetics. The revised asphalt cap which is to be installed only on the Elgin Landfill property and the Elgin-Wayne property will consists of two discrete layers. The first layer will be a variable thickness base layer, which will be used to develop the design slopes for positive drainage. This layer will be, at a minimum, 20 inches thick and will be compacted to a minimum of 90% of the modified Proctor maximum dry density or equivalent. The U.S. EPA allows that much of the existing surface may be compacted better than 90% of modified Proctor now from all of the years of traffic loading. Therefore, the Respondents and their contractors could trench and test the existing surface to determine the structural properties of the existing surface material. A design document would have to be submitted and approved in order to allow for any deviation from the 20" layer. The final layer will be a 4-inch thick combined modified asphalt binder and modified asphalt surface course of specially produced high-strength, low-permeability asphalt.

The rationale for modifying the remedy for this portion of the Site include the following: (1) the remedy is less intrusive to install which reduces the disruption to existing businesses during construction; (2) the remedy allows for the continued use of the Elgin Landfill and the Elgin-Wayne properties for container storage, parking, and other non-intrusive beneficial uses; (3) the remedy is more cost effective; (4) the  $1 \times 10^{-8}$  cm/sec permeability of the remedy will ensure that the new remedy will be as protective, if not more protective, than the alternative selected in the ROD; and (5) the design will incorporate a lysimeter that will definitively measure seepage that might occur through the low-permeability asphalt cap, alerting the U.S. EPA, the Illinois EPA, and the Respondents to the need for repair or reevaluation of the remedy.

Once this ESD is signed and placed in the Site Administrative Record, a further revision to the revised Remedial Design (dated March 1999) must be submitted for review and approval by the U.S. EPA, in consultation with the Illinois EPA. Among other issues that must be addressed in the revised RD are: (1) pavement design; (2) lysimeter location and design; (3) installation specifications; (4) results and conclusions from trenching/testing the existing surface for thickness, compaction, and suitability as a base layer for the asphalt surface; and (5) the maintenance plan.

The final grades for the Elgin Landfill property slope from the west towards the east at slopes varying from 2% to 3%. The Elgin-Wayne property slopes toward the southeast portion of that property at a 1% slope. The Elgin-Wayne property will drain to the southeast corner of its property. Since the majority of the property will be capped with the revised asphalt cap that will

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

have trucks parked on it, it will be necessary to separate the oil and grit from the stormwater prior to discharging the water to the surface water system. The Elgin Landfill property will drain towards the east. A swale near the center of the Elgin landfill property will divert some of the surface water into the series of swales on the Tri-County Landfill property and towards the southern end of the site. The eastern portion of the Elgin Landfill property will drain toward the existing drainage swales along Highway 25. The remainder of the Tri-County Landfill property will drain towards the south side of the property and the infiltration basin.

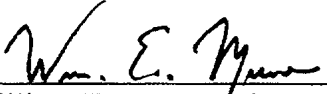
The existing water supply well and septic system on the Elgin-Wayne property will be abandoned. A replacement water supply well will be installed on the Elgin-Wayne property and will be either be installed outside the limits of waste or will be cased through the waste. A new septic system, likely consisting of a holding tank, will be installed for the Elgin-Wayne property.

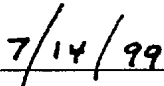
### **V. Support Agency Comments**

The Illinois EPA supports the change.

### **V1. Affirmation of Statutory Determinations**

Considering the new information that has been developed and the changes that have been made to the selected remedy, the statutory determinations made in the ROD are still valid for the ESD.

  
\_\_\_\_\_  
William E. Munro, Director  
Superfund Division

  
\_\_\_\_\_  
Date

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REMEDIAL ACTION

ADMINISTRATIVE RECORD  
FOR  
TRI-COUNTY/ELGIN LANDFILLS SITE  
ELGIN, KANE COUNTY, ILLINOIS

UPDATE #6  
EXPLANATION OF SIGNIFICANT DIFFERENCES

JULY 13, 1999

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
1	03/00/99	Montgomery Watson/Waste Management, Inc.	U.S. EPA	Remedial Action Work Plan for the Tri-County/ Elgin Landfills Site w/Attached Cover Letter	289
2	03/19/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Revised Final (100%) Remedial Design Report For the Tri-County/ Elgin Landfills Site w/Attached Cover Letter	56
3	04/05/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: Designation of Earth Tech, Inc. as Supervising Contractor for the Remedial Action at the Tri-County/Elgin Landfills Site	1
4	04/22/99	Asphalt Institute	U.S. EPA	Nine Articles from the Asphalt Institute and <i>Asphalt Magazine</i>	31
5	04/23/99	O'Grady, J., U.S. EPA	Leibrock, M., Waste Management, Inc.	Letter re: U.S. EPA's Comments on the Remedial Action Work Plan for the Tri-County/Elgin Landfills Site	5
6	05/14/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: WM's Response to U.S. EPA's April 23, 1999 Comments on the Remedial Action Work Plan for the Tri-County/Elgin Landfills Site	2
7	05/24/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: Construction Contractors for the Source Control Remedial Action at the Tri-County/Elgin Land- fills Site	1

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
8	05/25/99	O'Grady, J., U.S. EPA	Leibrock, M., Waste Management, Inc.	Letter re: U.S. EPA's Approval of the Remedial Action Work Plan and Notice of Authorization to Proceed with the Remedial Action at the Tri-County/Elgin Landfills Site	1
9	06/04/99	O'Grady, J., U.S. EPA	Miller, M., Browning- Ferris Industries	Letter re: U.S. EPA's Consideration of an Explanation of Signi- ficant Differences for the Landfill Cap Profile on the Elgin Landfill and Elgin-Wayne Portions of the Tri-County/Elgin Landfills Site	2
10	06/09/99	Dowden, J., Waste Management Inc.	O'Grady, J., U.S. EPA	Letter re: WM's Desig- nated Project Coordinator for the Tri-County/Elgin Landfills Site	1
11	07/02/99	Wilder Construction Company	U.S. EPA	Various Articles re: <b>MatCon</b> (Modified Asphalt Technology for Waste Containment)	50
12	07/08/99	Herring , G., U.S. Army Corps of Engineers/ Omaha District	O'Grady, J., U.S. EPA	Hydrologic Evaluation of Landfill Performance (HELP) Model Run for the MATCOM material at the Tri-County/Elgin Landfills Site	23
13	07/12/99	O'Grady, J., U.S. EPA	Dowden, J., Waste Management Inc. Miller, M., Browning- Ferris Industries	Letter re: Explanation of Significant Differences for the Landfill Cap Profile on the Elgin Land- fill and Elgin-Wayne Portions of the Tri-County/ Elgin Landfills Site	2
14	00/00/00	IEPA	U.S. EPA	Letter: IEPA's Concur- rence with the Explanation of Significant Differences for the Tri-County/Elgin Landfills Site ( <b>PENDING</b> )	

<b><u>NO.</u></b>	<b><u>DATE</u></b>	<b><u>AUTHOR</u></b>	<b><u>RECIPIENT</u></b>	<b><u>TITLE/DESCRIPTION</u></b>	<b><u>PAGES</u></b>
15	00/00/00	U.S. EPA	Public	Explanation of Significant Differences for the Tri-County/Elgin Landfills Site ( <b>Pending</b> )	



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JUN 29 2021

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# 2020 Annual Report

Tri-County and Elgin Landfills  
South Elgin, Kane County, Illinois

Prepared for:

United States Environmental Protection Agency  
Region V – Remedial Response Branch  
Office of Superfund  
77 W. Jackson Boulevard HSRL-6J  
Chicago, Illinois 60604

IEPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

AUG 09 2021

REVIEWER: MED

**SCS ENGINEERS**

25212003.00 | June 2021

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## Table of Contents

Section	Page
<b>1.0 Introduction.....</b>	<b>1</b>
1.1 Document Submittals .....	1
<b>2.0 Source Control Measures.....</b>	<b>1</b>
2.1 Progress Made During This Reporting Period.....	2
2.1.1 Tri-County Landfill.....	2
2.1.2 Elgin Landfill .....	3
2.2 Data Evaluation .....	4
2.2.1 Tri-County Landfill.....	4
2.2.2 Elgin Landfill .....	4
2.3 Projected Activities .....	5
2.4 Summary of Meetings .....	5
2.5 Conclusions.....	5
2.6 Recommendations .....	6
<b>3.0 Groundwater Control Measures.....</b>	<b>6</b>
3.1 Site Geology .....	7
3.2 Site Hydrogeology - Sample Locations.....	7
3.3 Progress Made During This Reporting Period.....	8
3.3.1 Groundwater Level Measurements.....	8
3.3.2 Groundwater Sampling .....	9
3.3.3 Analytical Results .....	9
3.3.4 Data Quality .....	10
3.3.4.1 General Information.....	10
3.3.4.2 Laboratory Quality Control .....	10
3.3.4.3 Quality Control Samples .....	10
3.3.4.4 Result Quantification .....	11
3.3.4.5 Completeness.....	12
3.3.4.6 Turbidity .....	12
3.4 Data Evaluation .....	12
3.4.1 Groundwater Elevation Data.....	12
3.4.2 Groundwater Quality Data.....	13
3.4.3 Indicator Parameters.....	13
3.4.3.1 Chloride.....	13
3.4.3.2 Total Dissolved Solids.....	14
3.4.3.3 Nitrate .....	15
3.4.4 Metals .....	16
3.4.4.1 Arsenic .....	16
3.4.4.2 Iron .....	16
3.4.4.3 Chromium .....	17
3.4.4.4 Manganese.....	18
3.4.4.5 Nickel .....	18
3.4.5 Private Wells .....	19

3.4.6	Natural Attenuation Parameters .....	19
3.5	Projected Activities .....	20
3.6	Summary of Meetings .....	20
3.7	Conclusions.....	20
3.8	Recommendations .....	21
4.0	Community Relations .....	22
5.0	2021 Activities.....	22

## Tables

Table 1	Groundwater Monitoring Schedule and Required Parameters
Table 2	Parameter List - Metals & Cyanide Analysis
Table 3	Parameter List - Indicator Analysis
Table 4	Groundwater Elevations - Tri-County Landfill
Table 5	Groundwater Elevations - Elgin Landfill
Table 6	Quantified Parameters for Field Duplicate Pairs
Table 7	Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells - Tri-County Landfill
Table 8	Exceedances of Illinois Class I Groundwater Quality Standards - Private Wells
Table 9	Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells - Elgin Landfill

## Figures

Figure 1	Site Features - Landfill Gas Control System
Figure 2	Site Features - Groundwater Monitoring Well Map
Figure 3	Shallow Wells - Water Table Flow Map, June 8, 2020
Figure 4	Intermediate Wells - Groundwater Flow Map, June 8, 2020

## Appendices

Appendix A	Annual Inspection Report - Tri-County Landfill
Appendix B	Completed Quarterly Site Inspection Forms - Tri-County Landfill
Appendix C	Quarterly Site Inspection Reports - Elgin Landfill
Appendix D	Laboratory Analytical Reports and EDD Files
Appendix E	Summary of Laboratory and Field Results
	E1 - Groundwater Monitoring Wells; Tri-County Landfill
	E2 - Groundwater Monitoring Wells; Elgin Landfill
	E3 - Private Wells
	E4 - Quality Control Samples
Appendix F	Job Narratives from Eurofins TestAmerica Laboratory Analytical Reports
Appendix G	Time-Concentration Plots of Parameters Exceeding Screening Criteria

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## **1.0 INTRODUCTION**

This annual progress report (Report) summarizes the operation and maintenance (O&M) activities performed by Waste Management of Illinois, Inc. (WMIL) and Republic Services, Inc. (RSI), (formerly Allied Waste, and previously Browning Ferris Industries) at the Tri-County/Elgin Landfills Superfund site (Site) in Kane County, Illinois, during the period January 1 through December 31, 2020. The activities are related to the O&M of the remedial components at the Site, which include:

- Source Control Measures
  - O&M of the landfill gas control system
  - Maintenance and monitoring of the landfill cap and Site access controls
- Groundwater Sampling and Analysis

The remedial components have been in place since 2001. Construction completion was documented in correspondence dated September 30, 2000, for the Tri-County portion of the Site, and November 1, 2001, for the former Elgin Landfill.

## **1.1 DOCUMENT SUBMITTALS**

An electronic copy of the 2019 Annual Report for the Site was submitted by transmittal letter from SCS Engineers (SCS) dated August 25, 2020, to John Fagiolo of the U.S. Environmental Protection Agency (USEPA) and to Chris Peters of the Illinois Environmental Protection Agency (IEPA) by transmittal letter dated August 26, 2020. These annual reports are reviewed by the USEPA and are considered in the periodic reviews of the Site (i.e., five-year reviews). The most recent review was presented in the document titled "Fourth Five-Year Review Report for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, Kane County, Illinois" dated September 11, 2019. The next five-year review for the Site is expected to be performed by USEPA in 2024.

In accordance with USEPA's request transmitted by email dated June 24, 2014, this document and future annual reports will be provided to USEPA solely in electronic/digital form. USEPA acknowledges that submittal of an electronic copy complies with any prior document submittal requirements.

## **2.0 SOURCE CONTROL MEASURES**

The source control remedial components for the Site generally include the landfill gas control system, the landfill cap, and Site access controls. The Tri-County and Elgin Landfills are adjacent but separate landfills, and are operated and maintained independently by different parties.

The Tri-County Landfill is approximately 46 acres and is maintained by WMIL. WMIL previously operated a hauling company on approximately 4 acres of that property, and the cap in that area is modified asphalt technology for waste containment facilities (MATCON™) pavement. The operations of the hauling company were discontinued during 2012. The building and structures associated with the former hauling operations were vacant until late 2016 when that portion of the property was leased to a firm that provides vehicle storage.

The remainder of the cap area generally includes a geomembrane and 18 inches of cover soil to minimize infiltration to the underlying waste. Surface water drainage from the paved area is directed through an oil-grit separator and then to perimeter ditches. Surface water from the other capped areas is channeled to an infiltration basin by perimeter drainageways.

The landfill gas control system included O&M of passive vents at 25 vertical landfill gas extraction wells and stick-ups for three horizontal trenches. WMIL engaged SCS to perform some of the O&M functions at the Tri-County portion of the Site during this reporting period (i.e., 2020). That O&M role generally includes periodic (i.e., quarterly) inspections of the landfill gas vents and monitoring of the perimeter probes, and the compilation of this annual report for the Tri-County Landfill portion of the Site. WMIL personnel from the adjacent Woodland Recycling and Disposal Facility (Woodland RDF) also support O&M activities on an as-needed basis.

Specific O&M activities include periodic inspections or monitoring of the landfill cap, perimeter access controls, storm water control features, gas vents, and four perimeter landfill gas probes. The operation and monitoring of the blower/flare and associated system components, including the gas wells, trenches, and condensate knockouts, was discontinued after the former active extraction points were converted to passive operation in April 2014. These features on the Tri-County portion of the Site are inspected annually. The former active extraction points, now operated as passive vents, are inspected quarterly. The vegetation atop the cap is mowed to control growth of woody vegetative species, and the MATCON™ portion of the cap is maintained as needed.

The Elgin Landfill is approximately 20 acres and is maintained by RSI. The landfill cap generally includes a geomembrane and 18 inches of cover soil to minimize infiltration. Storm water drains to two on-site detention ponds, and then is transmitted off site by perimeter ditches. RSI engaged Blue Flame Crew, LLC (Blue Flame) to perform the O&M activities on that portion of the Site during this reporting period. Their role, with regard to source control, generally includes periodic (i.e., quarterly) monitoring of the landfill gas wells and gas probes on that landfill, and inspections on that portion of the Site. The gas wells on the Elgin portion of the Site were converted to passive operation in August 2013. SCS was authorized by RSI to prepare this annual report to include the data from the Elgin portion of the Site.

Specific activities during this reporting period include quarterly inspections of the landfill cap, perimeter access controls, storm water control features, condensate knockout/lift station, 2 monitoring control stations, and monitoring of 19 landfill gas wells and 5 perimeter landfill gas probes. The vegetation atop the cap is mowed to control the growth of woody vegetative species.

The Site features are shown on **Figure 1**.

## **2.1      PROGRESS MADE DURING THIS REPORTING PERIOD**

### **2.1.1      Tri-County Landfill**

Operation of the blower/flare ceased in April 2014 after the landfill gas extraction points (i.e., wells and trenches) on the Tri-County and Elgin portions of the Site were converted to passive operation. Documentation of the conversion of the points were presented in prior annual reports for the Site.

Although the condition of the monitoring points, perimeter fence and access points (i.e., gates), and landfill cap are observed during the quarterly site visits, a site inspection is performed annually by WMIL personnel. The annual Site inspection during this reporting period was performed on November 2, 2020. A copy of the annual inspection report completed by WMIL is included in **Appendix A**.

SCS personnel performed the quarterly inspections of the landfill gas vents and sampling of the perimeter landfill gas probes in 2020. These items were completed on June 30, September 18, and December 28, 2020. The first quarter (i.e., March) 2020 monitoring event did not occur due to travel restrictions associated with the COVID-19 pandemic that were in place at that time. The landfill gas

probes are sampled using field instrumentation to monitor percent methane, percent oxygen, percent carbon dioxide, and pressure. The results from the quarterly gas vent inspections and gas probe monitoring are included on the completed field sheets provided in **Appendix B**.

Grassy vegetation on the landfill cap is maintained by periodic mowing. A minimum of approximately 50 percent of the vegetated area is mowed annually to leave undisturbed areas for bird nesting, and to promote diversity in plant species atop the cap while still controlling the growth of woody plant species. As noted on the SCS Site visit report from December 28, 2020, the western portion of the cap was mowed prior to that date.

Some woody vegetation growth is present in limited areas atop the cap that are not accessible by mowers, such as the rock-lined drainage ditches and adjacent to fencing. That vegetation is monitored and removed as necessary. Removal of woody vegetation from the ditches was not required in 2020. Mature trees are present at a number of locations outside the perimeter fencing; nearby trees occasionally fall onto the fence in remote areas at the Site. Clearing of woody vegetation from the fence was not required during the 2020 reporting period. Surface water ponds atop the cap in limited areas, generally within the drainage ditches where vegetation is thicker. The short-term ponding does not significantly affect the vegetation atop the cap; thus, no further actions are warranted. The areas will continue to be monitored during routine periodic inspections.

The soil/geomembrane cap appears to be functioning as designed. The vegetation on the cap is healthy, and the rock-lined drainageways are generally in good condition. The infiltration basin and its outlet are also in good condition.

The MATCON™ portion of the cap is generally in good condition. No routine maintenance of this portion of the cap was conducted in 2020. The operation of the oil-grit separator is typically evaluated during the routine site visits. The oil-grit separator inlet grate was cleared at the time of the routine quarterly site inspection on June 30, 2020. No other maintenance was required for the oil-grit separator during this reporting period (i.e., 2020).

The groundwater monitoring wells are inspected annually in conjunction with the associated sampling event by staff from Environmental Monitoring Technologies, Inc. (EMT). There were no issues identified in June 2020 that are likely to affect the quality of the samples from the groundwater monitoring wells. Monitoring well MW38S was noted as not being able to be locked due to the inner casing being too tall for the protective casing to fully close. The inner casing of MW38S was cut down to allow for the cap to lock properly on March 11, 2021, by SCS personnel. Minor items (i.e., rusted locks or well caps, surface seals below ground level, and difficult to locate wells) will be monitored and addressed in the future as warranted. The total well depth measurements from this sampling period are consistent with prior measurements and do not indicate any significant issues with accumulation of fines in the wells.

### **2.1.2 Elgin Landfill**

RSI's contractor, Blue Flame, visits the Elgin portion of the Site on a quarterly basis to inspect the landfill cap, perimeter access controls, storm water control features, condensate knockout/lift station, and monitoring control stations, and sample the landfill gas wells and perimeter landfill gas probes. These site inspections occurred on March 30, June 30, September 29, and December 18, 2020. Copies of the quarterly reports are included in **Appendix C**. Another contractor mows the vegetation atop the cap annually to control the growth of woody vegetation.

The perimeter landfill gas monitoring probes and gas wells associated with the Elgin portion of the Site were sampled quarterly during this reporting period. The probes and wells are sampled using



field instrumentation to monitor percent methane and pressure, among other parameters. The data are included on the field logs provided in **Appendix C**.

The groundwater monitoring wells are inspected annually in conjunction with the associated sampling event by staff from Civil and Environmental Consultants Inc. (CEC). No significant issues related to the condition of the monitoring wells were noted during this reporting period. The total well depth measurements from this sampling period are consistent with prior measurements and do not indicate any significant issues with accumulation of fines in the wells.

## **2.2 DATA EVALUATION**

### **2.2.1 Tri-County Landfill**

The soil/geomembrane and MATCON™ caps appear to be functioning as designed. The soil cover is in good condition and supports healthy grassy vegetation. Deep rooted, woody vegetation is adequately controlled. The MATCON™ pavement, access roads, surface water drainage features, and perimeter fencing are also in generally good condition. Periodic maintenance to minimize ponding in some sections of the surface water drainage ditches (i.e., minor grading and/or removal of woody vegetation), and sealing cracks in the MATCON™ pavement will continue to be necessary in the future. Areas of settlement within the MATCON™ pavement should be monitored and repaired if necessary. Although periodic removal of fallen tree limbs is necessary to maintain sections of the perimeter fencing, additional measures do not appear to be warranted given the location and condition of the Site. There was no evidence of unauthorized dumping, vandalism or trespassing during this reporting period (i.e., 2020) on the Tri-County portion of the Site.

The quarterly inspections of the passive vents and perimeter gas probes did not identify any problems with the operation of the vents or the condition of the probes during this reporting period. The completed inspection checklists from the three site visits during 2020 are included in **Appendix B**. Data from the three sampling events at the perimeter gas probes during 2020 are also presented on the completed monitoring forms included in **Appendix B**. The results indicate the presence of methane at concentrations above the Lower Explosive Limit (LEL), or 5 percent gas by volume, at one of the four probes (i.e., GP03). Methane was reported at GP03 at concentrations 37.0, 7.5, and 28.0 percent by volume during the June, September, and December sampling events, respectively. Positive pressure was not observed at that gas probe during this reporting period as each of the pressure measurements were negative, ranging from -0.03 to -0.14 inches of water.

While methane concentrations during this reporting period were greater than the LEL at one of the four probes, the concentrations were not consistent or associated with positive pressure; thus, gas migration is not likely significant. Local surface water features likely represent saturated shallow subsurface soil in the area, which would act to restrict subsurface migration of landfill gas. As shown on **Figure 1**, GP03 is located on the southwest corner of the Tri-County Landfill. The only nearby occupied structures are associated with the Woodland RDF gas to energy facility, where there are also active building methane monitors.

### **2.2.2 Elgin Landfill**

The quarterly inspection reports from this reporting period do not identify any significant issues with regard to the cap vegetation, access gates, slopes, ponds, or swales.

RSI's contractor continues to collect quarterly field data regarding gas quality from the converted wells (i.e., vents). Those data are consistent with points installed in waste. There were no operational issues noted with the landfill gas wells (i.e., vents) during this reporting period.

Two active methane monitors were reportedly provided to the occupants of the former ARC Disposal building by RSI in 2017. There were no reports that the methane alarms were activated during this reporting period (i.e., 2020).

Data from periodic quarterly sampling of the perimeter gas probes do not indicate the presence of methane; thus, there is no indication of landfill gas migration.

## **2.3 PROJECTED ACTIVITIES**

- Continued quarterly monitoring of the existing landfill gas probes and inspection of the passive vents at the Site to assure proper operation.
- Continued annual Site inspection, supported by quarterly observations during the routine monitoring events described above.
- If the recommendation subsequently presented in this report is approved, the components of the former active landfill gas control system (i.e., blower, flare and appurtenances) should be abandoned and/or removed from the Site. Those components have remained on site until passive operation was demonstrated to be effective, as described in USEPA's "Memo to the Site File Regarding Change to the Operation of the Landfill Gas System" dated January 31, 2013.
- Continued monitoring of the MATCON™ pavement, as part of the annual site inspections, with maintenance performed as needed at the Tri-County portion of the Site.
- Continued monitoring, and maintenance if necessary, of the oil/grit separator at the Tri-County portion of the Site.
- Continued periodic maintenance to minimize ponding in some sections of the surface water drainage ditches (i.e., minor grading and/or removal of woody vegetation) at the Tri-County portion of the Site.
- Woody vegetation will continue to be removed as needed from the perimeter fencing at the Site.
- Continue visual assessment of building methane monitors during the annual Site inspection to document the function of those units.

## **2.4 SUMMARY OF MEETINGS**

No meetings were convened in 2020.

## **2.5 CONCLUSIONS**

Based on the observations summarized in this Report, the source control measures (i.e., landfill cap and gas control systems) at the Site continue to be maintained in good condition and are functioning as designed. The Site access controls (i.e., perimeter fencing, gates, and signage) continue to be effective, as there were no reported incidences of damage to the remedial components at the Site.

## 2.6 RECOMMENDATIONS

- Continue, at a minimum, annual Site inspections of the landfill caps and Site access controls.
- Continue passive operation of the gas wells and trenches at the Site, and verify proper operation through quarterly inspections.
- Passive operation of the gas wells and trenches at the Site has been demonstrated to be effective, in that active operation of the landfill gas control system has not been necessary since the conversion to passive operation approximately 7 years ago. As such, the components of former active system (i.e., blower/flare & appurtenances) could be removed or abandoned. If methane is identified within a building, or concentrations with pressure at perimeter probes become an issue, nearby wells could be connected to a temporary, portable blower, or fitted with solar-powered vents.
- Continue quarterly inspections of the landfill gas control system, including the collection points (wells and trenches) and perimeter gas probes, and quarterly monitoring of the perimeter gas probes.
- Quarterly field monitoring of landfill gas quality, pressure/vacuum, and temperature at the vents (i.e., former wells) on the former Elgin Landfill could be discontinued.

## 3.0 GROUNDWATER CONTROL MEASURES

The Record of Decision (ROD) for the Site originally required that an active groundwater collection and treatment system be installed and operated at the Site to meet groundwater standards. However, based on projections made from sampling results during the Pre-Design Investigation (PDI), contaminant concentrations in groundwater were expected to achieve groundwater standards within a reasonable period of time through natural attenuation. Natural attenuation, which includes biodegradation and dispersion, is supported by implementation of the source control measures (cap and landfill gas control systems) at the Site. This change in remedy was documented in an Explanation of Significant Differences (ESD) to the ROD, and formed the basis for deferring the groundwater collection component of the remedy to allow for a period of observation.

In accordance with that approach, a groundwater monitoring plan for the Site was prepared to meet the following objectives: 1) provide early warning of a significant increase in groundwater contamination caused by a release of hazardous substances, pollutants, or contaminants from the Site after the Remedial Action (RA) and during the subsequent O&M period; 2) provide information on the effects that the RA has had on groundwater quality; 3) demonstrate the effectiveness of natural attenuation in conjunction with the landfill capping as an effective means of remediating groundwater contamination; and 4) verify that contaminated groundwater does not pose a threat to human health and the environment downgradient of the Site.

Requirements for the long-term groundwater monitoring on the Tri-County Landfill portion of the Site are detailed in a January 2002 document entitled "Remedial Action Long-Term Groundwater Monitoring Program." The requirements for the Elgin Landfill are included as a chapter in the document entitled "Operation and Maintenance Plan, Elgin Landfill Superfund Site," dated March 2003. The sampling and analytical program for both Elgin and Tri-County are summarized in **Table 1**. Please note that **Table 1** includes the modification granted by the USEPA correspondence dated April 10, 2015. This modification approved discontinuing analysis of groundwater samples for semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs). The locations of the monitoring wells sampled are shown on **Figure 2**.

### 3.1 SITE GEOLOGY

A brief summary of the Site geology and hydrogeology, as originally presented in the PDI report dated February 1996, is presented here for reference.

Unconsolidated deposits at the Site range in thickness from 70 to 90 feet. The deposits consist of two distinct geologic units deposited during the Wisconsinian glacial advance. The upper Henry unit is a sand and gravel outwash deposit. The lower Wedron unit is comprised of three distinctive clayey till members. These tills are referred to as the Yorkville, Malden, and Tiskilwa. Along the western portion of the Tri-County Landfill, the Robein Silt Formation/Glasford Formation are present and directly overlie bedrock.

The upper geologic unit at the Site consists of the Batavia Member of the Henry. The thickness of the Henry varies across the Site from less than 10 feet to 50 feet and is controlled, in part, by the topography of the underlying Yorkville till. To the south of the Site, where the ground surface elevations are lower, the Henry is thinner (less than 10 feet), and to the north of the Site, where it appears that the Yorkville is nonexistent, the Henry is approximately 50 feet thick. Within the limits of the Tri-County Landfill, all or most of the Henry has been removed.

The lower geologic unit, the Wedron Formation, consists of three distinctive clayey till members; the upper Yorkville, middle Malden, and lower Tiskilwa. The Yorkville is the upper glacial till at the Site. This unit is a gray to brown clayey, silty till with little sand. A predominant characteristic of the Yorkville is abundant dolomite limestone gravel. In addition, the Yorkville is shown to be a uniform silty clay soil with few sand seams present. The Yorkville ranges in thickness from approximately 65 feet in the southern portion of the Site to zero in the north, where it is shown to pinch-out north of the Site. The Malden is the middle glacial till unit at the Site. This unit is typically described as gray to brown silty and sandy material that in some areas grades upward to clayey till with discontinuous, but common, beds and lenses of gravel and sand. The thickness of the Malden in the vicinity of the Tri-County Landfill ranges from nonexistent to approximately 40 feet, with an average thickness of approximately 5 to 10 feet. The Tiskilwa is the lower glacial till at the Site and is a homogenous calcareous material. The Tiskilwa is generally a massive clayey till, and discontinuous pockets of gravel, sand, or silt exist within the upper portions of the till. The thickness of the Tiskilwa in the vicinity of the Tri-County Landfill ranges between nonexistent to approximately 35 feet with an average thickness of approximately 20 feet.

Unconsolidated deposits are directly underlain by Silurian sedimentary bedrock, consisting primarily of dolomite. The existing wells at the site generally do not penetrate further than 10 to 15 feet into bedrock. Bedrock topography at the Site generally slopes toward the Fox River Valley.

### 3.2 SITE HYDROGEOLOGY – SAMPLE LOCATIONS

The hydrogeology of the Site is divided into three vertically separated hydrostratigraphic zones: the shallow and intermediate groundwater zones and the bedrock aquifer (i.e., deep groundwater zone). The zones are generally separated from each other by low hydraulic conductivity soils. As shown on **Figure 2**, there are a total of 30 wells included on the sampling program for the Tri-County Landfill including:

- Eleven groundwater wells designated as MW1S, MW2SR, MW5SR, MW6S, MW10S, MW12SR, MW25S, MW38S, MW39S, MW41S, and G135, and two piezometers designated as PZ29 and PZ32 in the shallow zone.

- Ten groundwater wells designated as MW1I1, MW1I2, MW2IR, MW5IR, MW6I, MW10I, MW12IR, MW13IR, MW39I, and G142 in the intermediate zone.
- Three groundwater wells designated as MW1DR, MW40DR, and G112 in the deep zone (bedrock aquifer).
- Four private wells including the water supply wells at the Woodland Recycling and Disposal Facility (PW07), Chicago Stone (PW09), Midwest Wrecking Company/Everlast Blacktop and Seal Coating (PW22), and WMIL repair facility (PW23).

There are a total of 16 wells included on the sampling program for the Elgin Landfill, as shown on **Figure 2**, including:

- Six groundwater wells designated as MW9S, MW20S, MW21S, MW24S, MW36S, and MW37S in the shallow zone.
- Six groundwater wells designated as MW9I, MW22I, MW23I, MW36I, MW38I, and G141 in the intermediate zone.
- Four groundwater wells designated as MW9D, MW36D, MW38D, and G111 in the deep zone (bedrock aquifer).

Thus, there are a total of 19 sampling locations in the shallow zone, 16 sampling locations in the intermediate zone, and 7 points in the deep zone, not including the 4 private wells that are also likely located in the bedrock aquifer, included in the annual groundwater sampling program for the entire Site.

### **3.3 PROGRESS MADE DURING THIS REPORTING PERIOD**

The 2020 annual groundwater monitoring event at the Site was performed during the period of June 8 to 10, 2020. Initial water level measurements were collected at all Site monitoring wells on June 8, 2020. Personnel from EMT of Morton Grove, Illinois, sampled the wells associated with the Tri-County Landfill. Personnel from CEC of Lombard, Illinois, sampled the wells associated with the Elgin Landfill. Laboratory analysis of samples was provided by Eurofins TestAmerica (TA) of Buffalo, New York, except that analysis of samples for parameters with limited holding times (i.e., nitrate/nitrite) were subcontracted to and analyzed by local laboratories. EMT, of Morton Grove, Illinois, provided the nitrate/nitrite analysis for the samples from the Tri-County wells. First Environmental Laboratories of Naperville, Illinois, provided the nitrate/nitrite analysis for the samples from the Elgin wells. Samples are also collected from the wells and analyzed on site for a variety of field parameters.

A summary of the groundwater wells sampled, including the hydrostratigraphic unit and the required laboratory analyses for each well, is provided in **Table 1**. Analyses are grouped as metals and cyanide, and indicator parameters. The individual parameters within these groups are shown in **Tables 2 and 3**, respectively.

#### **3.3.1 Groundwater Level Measurements**

The depth-to-groundwater measurements, and the associated groundwater elevations, at each of the wells during the annual sampling event are summarized in **Tables 4 and 5**. The data in the tables includes the initial water elevations that were measured on June 8, 2020, before groundwater sampling activities commenced. **Tables 4 and 5** also include the measurements of total well depth

that were obtained as part of the annual sampling event. The total well depth measurements from 2019 are also included in **Tables 4 and 5**.

### **3.3.2 Groundwater Sampling**

The groundwater monitoring wells associated with the Tri-County Site were generally sampled using low flow sampling techniques, and the wells are generally equipped with dedicated sampling equipment. At the six wells (MW1S, MW10S, MW25S, MW38S, MW39S, and MW41S) that are not fitted with dedicated sampling equipment, disposable bailers are used to collect the samples.

The groundwater monitoring wells associated with the Elgin Landfill were generally sampled using non-dedicated or dedicated bladder pumps, and low flow sampling techniques. Non-dedicated pumps are decontaminated between sampling locations (i.e., wells).

Field sampling activities were documented on the field information forms/logs, which are included as an attachment to the electronic copies of the laboratory data reports. Electronic copies of the laboratory data reports are included in **Appendix D**. Pumping rates and purge volumes were monitored during the sampling process. The depth to water, pH, specific conductance, temperature, turbidity, dissolved oxygen, and oxidation-reduction (i.e., redox) potential measurements were taken at each groundwater monitoring well and documented on the field information forms. For wells sampled using low flow procedures, measurements were recorded at approximate 5-minute intervals during purging. Purging was considered complete when the field measurements stabilized for three successive readings within the following limits: 0.1 units for pH, 3 percent for specific conductance, 10 mv for redox potential, and 10 percent for turbidity and dissolved oxygen. The goal was to stabilize the turbidity measurements to below 10 Nephelometric Turbidity Units (NTUs) at the time of sampling. As with prior sampling events, there were five wells (MW1S, MW6I, MW10I, MW12IR, and MW25S) at Tri-County and four wells at Elgin (MW20S, MW36I, MW36S, and MW23I) where turbidity readings were above, and did not stabilize below, 10 NTUs.

Groundwater samples were collected in bottles provided by the laboratory and placed in insulated coolers on ice for shipment to the laboratory. Chain of custody forms were completed for each sample container (i.e., cooler). Copies of the chain of custody forms are also included in the laboratory analytical reports in **Appendix D**.

### **3.3.3 Analytical Results**

Summaries of the laboratory and field results from this reporting period are provided in **Appendix E**. The tables include:

- **Appendix E1** – Groundwater Monitoring Wells; Tri-County Landfill
- **Appendix E2** – Groundwater Monitoring Wells; Elgin Landfill
- **Appendix E3** – Private Wells
- **Appendix E4** – Quality Control Samples

Electronic data deliverables (EDDs), provided by TA, of the analytical results are also provided in **Appendix D**. As previously described, **Appendix D** also includes electronic copies of the laboratory analytical reports for the samples collected during this reporting period for the Tri-County and Elgin Landfills.

### **3.3.4 Data Quality**

#### **3.3.4.1 General Information**

The samples were shipped to TA for laboratory analysis for the parameters indicated in the approved monitoring plan. Upon arrival at TA, samples are checked, logged in, and an acknowledgement form is sent to confirm that samples have reached the laboratory in good condition and within the required method hold time(s).

Review of the laboratory information associated with the data from the 2020 sampling event for both the Tri-County and Elgin Sites indicates that all samples were received intact and within temperature requirements, and in a timely manner such that analysis was expected to be performed within the required method hold time(s).

#### **3.3.4.2 Laboratory Quality Control**

Data validation was accomplished by reviewing information provided by the laboratory (i.e., narratives, chain of custody forms, field information forms, etc.) to determine if there were any issues that would materially affect the data quality from this reporting period. Copies of the laboratory narratives from the TA reports from this period are included for reference in **Appendix F**. Electronic copies of these narratives and other relevant documents from this sampling period (i.e., chain of custody forms, field information forms) are included in the laboratory analytical reports in **Appendix D**.

The laboratory narratives describe a number of typical issues that arose during sample analysis (i.e., dilution, calibration verification, recoveries outside anticipated range, etc.). The items appear to have been resolved appropriately such that the data are expected to be acceptable for use. There were no quality control issues identified by the local subcontract laboratories, First Environmental Laboratories or EMT.

#### **3.3.4.3 Quality Control Samples**

There were a total of 5 field or equipment blanks, 5 duplicate samples, and 3 samples analyzed as matrix spike/matrix spike duplicates (MS/MSD) by the laboratory to further assess data quality during this sampling period. The laboratory data reports for those samples are included in **Appendix D** of this report. A summary of the data from analysis of those samples is included in **Appendix E4**.

Field and/or equipment blank samples are created in the field using the existing sampling equipment and a known clean water source, and accompany the samples to the laboratory. Analysis of field blanks can help assess potential impacts from sampling procedures and sampling equipment. Field and/or equipment blanks were prepared at wells MW40DR, MW25S, and G112 for Tri-County and wells MW20S and MW38I at Elgin during this sampling period. The only analytes quantified by the laboratory at concentrations greater than the identified reporting limits were chloride and sulfate in analysis of the field blank sample at MW38I, and total organic carbon (TOC) in the field blank sample at MW40DR. Each of the reported values were relatively low (i.e., < 3.5 milligrams per liter [mg/L]), and are likely associated with the water used to prepare the blank samples; thus, the data from analysis of the equipment or field blanks did not identify any compounds at concentrations that would indicate a potential impact on the data quality of the samples from the monitoring wells.



Three samples were collected for analysis as an MS/MSD during this reporting period. The samples were taken at wells MW2IR and MW13IR at Tri-County and well G111 at Elgin. In general, the results from analysis of MS/MSD samples indicated the recoveries were within the laboratory control limits for the majority of parameters. The results are not indicative of significant matrix interferences that would affect the quality of the data from analysis of the samples from this reporting period.

Duplicate samples were collected at wells MW21S and MW38I at Elgin, and MW2SR, MW5SR, and MW10S at Tri-County during this sampling period. The reproducibility of the data is evaluated as the relative percent difference (RPD) of the two results. The RPD is calculated for all analytes where at least one of the reported concentrations was greater than the reporting limit (RL). The comparison of the reported analytes in the duplicate pairs during the annual sampling event is shown in Table 6. Since more variability is expected with lower results, the RPD is highlighted in Table 6 and specifically discussed for analytes where at least one concentration is a minimum of five times greater than the RL. Using this criteria, the precision between the results is typically acceptable if the RPD is less than or equal to 15 percent. Data reproducibility, in terms of RPD, was within the expected range (0 to 15 percent) for most parameters. The RPD was equal to or greater than 15 percent in the following instances:

- Elgin
  - When comparing the results from analysis of the duplicate samples from well MW38I, the RPD was greater than 15 percent for one parameter – iron.
  - When comparing the results from analysis of the duplicate samples from well MW21S, the RPD was greater than 15 percent for one parameter - iron.
- Tri-County Landfill
  - When comparing the results from analysis of the duplicate samples from well MW10S, the RPD was greater than 15 percent for four parameters – alkalinity, aluminum, iron and manganese.

The RPD was not greater than 15 percent for any of the parameters in the samples from wells MW2SR and MW5SR.

The relatively few exceedances of the expected range (i.e., greater than 15 percent) in RPD, and lack of consistency of parameters where the RPD was greater than the criteria, indicates generally good reproducibility in the data from this reporting period. A lack of reproducibility at relatively low concentrations (i.e., near the reporting limit), and metals concentrations (i.e., iron) reported from analysis of samples from shallow wells where samples are not filtered, is expected.

The results from analysis of the samples described above do not indicate any consistent or significant problems with the laboratory analysis that would materially impact the data from analysis of groundwater samples at the Site from this reporting period.

#### **3.3.4.4 Result Quantification**

The laboratory may dilute samples to quantify the results. In that case, the associated detection and reporting limits (RLs) are increased by the dilution factor.

The laboratory RLs for undiluted samples were at or below the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) and/or the Illinois Class I Groundwater Quality Standards (ILGWQS) for all compounds in this reporting period.

### 3.3.4.5 Completeness

All of the wells listed on **Table 1** were sampled during this reporting period. The data provided by the laboratories from this reporting period were compared to the sampling and analytical requirements identified in **Table 1**. With regard to the private wells, samples were collected from each of the four identified locations. The samples from the monitoring wells and private wells were analyzed for the appropriate parameters.

A sample from well MW1S, associated with the Tri-County Landfill in the shallow zone, was inadvertently not analyzed for ferrous iron in the field. This deviation is minor and not expected to materially impact the analysis of the results from this reporting period.

Please note that a sample from well MW9I, associated with the Elgin Landfill in the intermediate zone, was inadvertently analyzed for metals and cyanide. As shown in **Table 1**, samples from this well are required to be analyzed for indicator parameters only. In that the data were available, they are included and evaluated in this Report.

### 3.3.4.6 Turbidity

Turbidity measurements taken during well purging and at the time of sampling were above 10 NTUs at nine monitoring wells during this sampling period. Each of these wells have been in place for more than 10 years and sampled on multiple occasions; thus, incomplete well development is not likely a contributing factor. The turbidity measurements above 10 NTUs were present at wells located in two of the three defined groundwater zones (shallow and intermediate) at the Site. These sample locations included four points in the shallow zone (i.e., MW1S, MW25S, MW20S, and MW36S) and five points in the intermediate zone (i.e., MW6I, MW10I, MW12IR, MW36I, and MW23I). The NTU measurements from this reporting period ranged up to 727 NTU in the sample from well MW25S.

## 3.4 DATA EVALUATION

### 3.4.1 Groundwater Elevation Data

Groundwater elevation data from this reporting period were used to compile the groundwater flow maps presented as **Figures 3 and 4** for the shallow and intermediate units. A groundwater flow map is not included for the deep zone due to the limited number of data points in that unit.

Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the intermediate zone is primarily to the south in the vicinity of the Site, with local components of flow away from the landfill on the western and eastern perimeters. The direction of groundwater flow is consistent year to year as documented in prior annual reports. With regard to the groundwater elevations in the deep zone, the highest elevation is on the northeast perimeter (i.e., MW9D) and the lowest near the west edge of the Site (i.e., G112). Thus, it appears that groundwater flow in the deep zone is toward the southwest, but with the limited number of data points it is difficult to develop a groundwater flow map with any accuracy.

Water elevations between the defined hydrostratigraphic units are also evaluated for vertical gradients to assess the connectivity between the identified groundwater bearing zones.

Based on a comparison of data from the nested wells (i.e., MW1S/111/112, MW2SR/2IR, MW5SR/5IR, MW6S/6I, MW10S/10I, and MW12SR/12IR), there is a potential for downward groundwater flow between the shallow and intermediate units south of the Tri-County Landfill, and

the measurements are consistent with the current interpretation that the units are separated by a layer of low permeability soil that restricts vertical groundwater flow. The downward gradient at the wells nested in the shallow and intermediate units ranged from 0.17 to 0.42 ft/ft.

There appears to be a slight downward gradient (i.e., less than or equal to 0.2 ft/ft) from the intermediate to deep zone in the southwest area of the Site, based on the data from the nested wells (i.e., G142/G112 and MW121R/40DR) located there. Again, vertical groundwater flow is likely restricted by a layer of fine grain soil in this area.

Data from wells in the area to the north of the Elgin Landfill indicates a slight downward gradient (i.e., 0.00 to 0.11 ft/ft) from the shallow to intermediate zones based on the water elevations recorded at the MW36S/36I and MW9S/9I nests. Similarly slight downward gradients (i.e., 0.03 to 0.22 ft/ft) were observed from water level measurements in the intermediate to deep zone at well nests MW36I/36D, MW9I/MW9D, and MW38I/38D. Generally, vertical gradients appear to have a stronger downward component in the area to the south of the Tri-County Landfill compared to north of Elgin Landfill. Horizontal flow within the three identified groundwater zones is likely dominant in the area surrounding the Tri-County and Elgin Landfills.

Groundwater elevations calculated from the initial round of depth-to-water measurements at monitoring wells for the Tri-County and Elgin landfills are summarized in **Tables 4 and 5**, respectively. The groundwater flow maps are presented as **Figures 3 and 4**.

### 3.4.2 Groundwater Quality Data

The laboratory data and field measurements from the 2020 monitoring event are presented in the summary tables included as **Appendix E**. The tables also provide a comparison to the Federal Safe Drinking Water Act MCLs and the Class I ILGWQS established in 35 Illinois Administrative Code 620.410. These values were used as water quality screening criteria for the groundwater data. Parameters where the reported concentration is greater than the MCLs and/or Class I ILGWQSs are shown in bold and summarized in **Table 7** for the Tri-County wells, **Table 8** for the private wells, and **Table 9** for the Elgin wells. **Tables 7 and 9** also include the Class II and Class IV ILGWQS established in 35 Illinois Administrative Code 620.420, and 35 Illinois Administrative Code 620.440, respectively. In accordance with Section 620.220, groundwater in the vicinity of the Site may meet the definition of Class II: General Resource Groundwater. In accordance with 620.240(g), the Class IV ILGWQS may be applicable to groundwater within a previously mined area.

The only parameters reported at concentrations above the screening criteria were indicators (i.e., chloride, total dissolved solids [TDS], and nitrate) and metals (i.e., arsenic, iron, chromium, manganese, and nickel). Each of the exceedances is described below. To assist in data evaluation, time-concentration graphs were prepared for each laboratory parameter that exceeded the screening criteria. The time-concentration graphs, also referred to as plots, are presented in **Appendix G**.

### 3.4.3 Indicator Parameters

#### 3.4.3.1 Chloride

Chloride concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 200 mg/L) in samples collected from seven groundwater monitoring wells during this sampling period including G112, G142, MW121R, MW111, and MW112 at Tri-County and G111 and MW36I at Elgin. These results are from analysis of samples from wells that are widely distributed geographically and within two of the three identified groundwater zones at the Site: intermediate (i.e., G142, MW111, MW112, MW121R, and MW36I), and deep (i.e., G111 and G112). The chloride concentrations in excess of the

screening criteria during this reporting period range up to 682 mg/L; that concentration was reported in analysis of the sample from G112.

Chloride concentrations at monitoring wells in the intermediate zone (i.e., MW111, G142, MW121R, and MW361) are variable and can also vary over time. The chloride concentrations at wells MW361 and G142 are relatively high, but are generally decreasing over time. The chloride concentration at MW121R is variable, but results have stabilized during the last 6-8 years. The chloride concentration at monitoring well MW111 appears to be increasing over time, but has stabilized since 2015. Although chloride concentrations have been in excess of the Class I ILGWQS in the past (i.e., 2014), and consistent with the current result, the chloride concentration from analysis of the sample collected at MW112 during this reporting period is higher than recent prior results. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

The two wells where the chloride concentration exceeded the screening criteria in the deep groundwater zone are located on the west perimeter of the Site. The chloride concentration at well G112 appears to be generally increasing over time, but the current concentration is lower than the prior annual result. The chloride concentration at well G111 appears to have decreased over time and stabilized, especially since 2007.

The chloride concentration at MW40DR, another well located along the west perimeter of the Site in the deep zone, is typically variable over time and often in excess of the Class I ILGWQS. The result from this sampling period ( $< 1$  mg/L) is remarkably lower than results from analysis of prior samples from this well. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for chloride is 304 mg/L. IEPA has also established an intrawell statistical limit for chloride at well G142. This well is identified as G242 for the adjacent facility and is assigned a value of 1,291 mg/L as an applicable groundwater quality standard (AGQS) for dissolved chloride. This information confirms that there is a significant background contribution to the identified chloride concentrations. Finally, it should be noted that chloride is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for chloride and the exceedances are related only to the Class I ILGWQS of 200 mg/L.

### **3.4.3.2 Total Dissolved Solids**

TDS concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 1,200 mg/L) in samples collected from five groundwater monitoring wells during this sampling period including G112, MW40DR, MW41S and G142 at Tri-County and G111 at Elgin. The exceedances were identified in samples from wells located on the west perimeter of the Site and within each of the three identified groundwater zones at the Site: shallow (i.e., MW41S), intermediate (i.e., G142), and deep (i.e., G111, G112, and MW40DR). The TDS concentrations in excess of the screening criteria during this reporting period range up to 1,890 mg/L; that concentration was reported in analysis of the sample from G112.

Review of the time-concentration plots in **Appendix G** indicates that the TDS concentrations have generally decreased over time at wells in the shallow zone, but the concentrations are variable. The

TDS concentration from analysis of the sample collected at MW41S during this reporting period is lower than prior results, but consistent with or higher than some recent values.

TDS concentrations at monitoring wells in the intermediate zone (i.e., G142) also appear to be generally decreasing over time, but are variable.

TDS results from analysis of samples collected from wells in the deep groundwater zone are also variable. There is no apparent trend in TDS concentrations over time at well G111. TDS results are also variable over time at MW40DR; no trend is apparent. TDS concentrations are also variable at well G112, but concentrations appear to be generally increasing over time.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for TDS is 1,371 mg/L. IEPA has also established an intrawell statistical limit for TDS at well G142. This well is identified as G242 for the adjacent facility and is assigned a value of 3,571 mg/L as an AGQS for TDS. This information confirms that there is a significant background contribution to the identified TDS concentrations. Finally, it should be noted that TDS is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for TDS, and the exceedances are related only to the Class I ILGWQS of 1,200 mg/L.

#### **3.4.3.3 Nitrate**

Nitrate concentrations exceeded the screening criteria (i.e., MCL and Class I ILGWQS = 10 mg/L) in analysis of the groundwater samples collected from two monitoring wells in the shallow zone (i.e., MW2SR and MW41S at Tri-County) during this sampling period. The nitrate concentrations in excess of the screening criteria during this reporting period range up to 23 mg/L; that concentration was reported in analysis of the sample from MW41S. The screened section of MW41S is less than 30 feet below ground surface (bgs); thus, the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for nitrate is 100 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for nitrate is also 100 mg/L.

Review of the time-concentration plot in **Appendix G** indicates that the nitrate concentration at well MW41S is variable over time. The current concentration is lower than the results from analysis of the prior 3 annual samples. The cause and variability of the identified nitrate concentrations at MW41S is not apparent. The nitrate concentrations at MW2SR also vary over time. The current result is higher than the prior two annual results, but lower than the result from 2017. The identified nitrate concentrations and variation in results over time are not typical of groundwater contamination from a landfill.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for nitrate is 0.63 mg/L. This information suggests that there may be a background contribution to the identified nitrate concentration.

### **3.4.4 Metals**

#### **3.4.4.1 Arsenic**

The arsenic concentration exceeded the screening criteria (i.e., Class I ILGWQS and MCL=0.01 mg/L) in the groundwater sample collected from one monitoring well in the shallow zone (i.e., MW39S at Tri-County) during this sampling period. The concentration in the sample collected at MW39S during this reporting period was 0.011 mg/L. The screened section of MW39S is less than 15 feet bgs; thus, the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for arsenic is 0.2 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for arsenic is also 0.2 mg/L.

Review of the time-concentration plot in **Appendix G** indicates that the current result is lower than the result from 2019, thus there is no indication of an increase in concentration over time.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility - the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995 077 LFM, Site No. 0894830005. The local background value for arsenic is 0.0251 mg/L. This information confirms that there is a potential for background contribution to the identified arsenic concentration.

#### **3.4.4.2 Iron**

Iron concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 5 mg/L) in samples collected from six monitoring wells during this sampling period including MW39S, MW40DR, and MW6S at Tri-County and MW20S, MW36I, and G111 at Elgin. These results are from analysis of samples from wells that are widely distributed geographically and within each of the three identified groundwater zones at the Site: shallow (i.e., MW6S, MW39S, and MW20S), intermediate (i.e., MW36I), and deep (i.e., MW40DR and G111). The iron concentrations in excess of the screening criteria range up to 16.1 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow and intermediate zones are less than 45 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, there is no standard for iron. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for iron is also 5 mg/L.

Review of the time-concentration plots in **Appendix G** indicates that total iron concentrations are variable over time, especially at wells in the shallow and intermediate groundwater zones.

The iron concentrations at well MW6S are more stable over time than concentrations at other wells in the shallow groundwater zone (i.e., MW20S or MW39S).

Within the intermediate zone, results from analysis of the sample from MW36I shows that the concentration of iron is relatively stable at that well. The anomalously high iron concentration reported from analysis of the sample collected from well MW23I in 2017 was not confirmed by the results from analysis of the samples collected in during subsequent reporting periods. The iron concentration at well MW22I appears to be decreasing over time.

In the deep zone, the iron concentration at well G111 from this reporting period is higher than the result from the prior sampling period (i.e., 2019), but still consistent with a general decrease in concentration over time. The concentration of iron at MW40DR continues to vary over time.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for total iron is 8.86 mg/L. This information confirms that there is a significant background contribution to the identified iron concentrations. Finally, it should be noted that iron is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for iron, and the exceedances are related only to the Class I ILGWQS of 5 mg/L.

#### **3.4.4.3 Chromium**

Chromium concentrations exceeded the screening criteria (i.e., Class I ILGWQS and MCL=0.1 mg/L) in samples collected from five wells during this sampling period including MW12IR and MW38S at Tri-County and MW20S, MW9I, and MW38D at Elgin. These wells are located along the north and south perimeter of the Site. These results are from analysis of samples from wells that are widely distributed geographically (i.e., north and south perimeter of the Site) and within each of the three identified groundwater zones at the Site: shallow (i.e., MW20S and MW38S), intermediate (i.e., MW12IR and MW9I), and deep (i.e., MW38D). The chromium concentrations in excess of the screening criteria range up to 8.6 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow zone extends to approximately 30 feet bgs, and the intermediate zone wells to approximately 50 feet bgs, thus the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for chromium is 1 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for chromium is also 1 mg/L.

Please note that a sample from well MW9I, associated with the Elgin Landfill in the intermediate zone, was inadvertently analyzed for metals and cyanide. As shown in **Table 1**, samples from this well are required to be analyzed for indicator parameters only. In that the data were available, they are included and evaluated in this Report. The chromium concentration was the only parameter in excess of the screening criteria in analysis of samples from this well.

Review of the time concentration plots in **Appendix G** for chromium at monitoring wells in the shallow zone (i.e., MW20S and MW38S) indicate that the concentrations vary significantly over time.

Chromium concentrations at wells in the intermediate zone (i.e., MW12IR and MW9I) are also variable, but the magnitude of the variations in concentration are less than at wells in the shallow zone.

The chromium result from analysis of the sample from MW38D from this reporting period is an anomaly. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM,



Site No. 0894830005. The local background value for chromium is 0.01 mg/L. This information suggests that there may be a background contribution to the identified chromium concentrations.

#### **3.4.4.4 Manganese**

Manganese concentrations exceeded the screening criteria (i.e., Class I ILGWQS=0.15 mg/L) in samples collected from 11 wells during this sampling period including MW12SR, MW38S, MW39I, MW39S, MW5SR, and MW6S at Tri-County and MW36D, MW20S, MW22I, MW36I, and MW38D at Elgin.

These results are from analysis of samples from wells that are widely distributed geographically and within each of the three identified groundwater zones at the Site: shallow (i.e., MW12SR, MW38S, MW39S, MW5SR, MW6S, and MW20S), intermediate (i.e., MW39I, MW22I, and MW36I), and deep (i.e., MW36D and MW38D). The manganese concentrations in excess of the screening criteria range up to 2.3 mg/L; that concentration was reported in analysis of the sample from MW39S. The screened section of the wells in the shallow and intermediate zones are less than approximately 50 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, there is no standard for manganese. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for manganese is 10 mg/L.

Review of the time-concentration plots in **Appendix G** show variability in manganese concentrations over time at most of the wells. Total manganese concentrations are variable over time in all three groundwater zones at the site, but especially at wells in the shallow groundwater zone. The highest concentrations of total manganese, and greatest number of wells where concentrations are in exceedance of the screening criteria, are identified at wells located in the shallow groundwater zone. There are fewer wells where the concentration exceeded the screening criteria in the intermediate and deep groundwater zones, respectively.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for manganese is 0.048 mg/L. This information confirms that there is a significant background contribution to the identified manganese concentrations. Finally, it should be noted that manganese is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for manganese and the exceedances are related only to the Class I ILGWQS of 0.15 mg/L.

#### **3.4.4.5 Nickel**

Nickel concentrations exceeded the screening criteria (i.e., Class I ILGWQS=0.10 mg/L) in samples collected from two groundwater monitoring wells during this sampling period including MW20S and MW36S at Elgin.

These results are from analysis of samples from monitoring wells located along the north and east perimeter of the Site, screened within the shallow groundwater zone. The nickel concentrations in excess of the screening criteria range up to 1.6 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow zone are less than approximately 30 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that

case, there is no standard for nickel. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for nickel is 2 mg/L.

Review of the time-concentration plots in **Appendix G** for nickel in samples from wells MW20S and MW36S suggests that the concentration varies over time.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995 077 LFM, Site No. 0894830005. The local background value for nickel is 0.040 mg/L. This information confirms that there is a significant background contribution to the identified nickel concentrations. Finally, it should be noted that nickel is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for nickel; thus, the exceedances are related only to the Class I ILGWQS of 0.1 mg/L.

### **3.4.5 Private Wells**

Exceedances of the screening criteria were identified from laboratory analysis of samples from two of the four private wells sampled during this reporting period:

- The sample from PW07 was reportedly taken at the bathroom sink in the Woodland Landfill office. The results from analysis of that sample exceeded a screening criterion (i.e., Class I ILGWQS) for two parameters (i.e., chloride and TDS). The current results are consistent with past data from this sample point. It should be noted that the well is used only as a non-potable water source. Bottled water is provided for drinking at the facility.
- The sample from PW23 was reportedly collected at a bathroom sink within the WMIL vehicle maintenance facility. The results from analysis of that sample exceeded a screening criterion (i.e., Class I ILGWQS) for one parameter (i.e., chloride). The well is reportedly inactive for extended periods of time and only used as a non-potable water source. The current chloride concentration is within the range of values established by analysis of prior samples from this well. Bottled water is provided for drinking at the facility.

It should be noted that each of these parameters (i.e., chloride and TDS) are public welfare or indicator parameters, and concentrations exceeding the screening criteria are not indicative of a health concern; thus, there is not an MCL established for these parameters.

### **3.4.6 Natural Attenuation Parameters**

The results from this reporting period were reviewed to assess the potential for natural attenuation. Relevant field parameters or laboratory results include dissolved oxygen (DO), oxidation reduction potential (Eh/ORP), metals (manganese and iron), sulfate, and nitrate/nitrite. Iron analysis is performed as both a field parameter (ferrous iron) and by the laboratory (total iron).

DO data collected as field measurements during well sampling range from 0 to 8.6 mg/L during this sampling period. The results at approximately 30 percent of the Site wells were greater than 2.0 mg/L, and 35 percent of the results were greater than 1.0 mg/L. The range in DO results is consistent with natural attenuation in an aerobic or anaerobic environment.

Eh/ORP field measurements are negative at approximately 60 percent the sampling locations (i.e., wells). The majority of the negative values were reported from analysis of samples collected at wells screened in the intermediate and deep zones. The majority of the positive results were observed at wells screened in the shallow zone.

Analysis for ferrous iron ( $\text{Fe}^{+2}$ ) was performed in the field on samples from each of the monitoring wells except for MW1S, where analysis of a sample was inadvertently omitted. Ferrous iron was quantified in all but six of the samples collected at the Tri-County wells. Ferrous iron was quantified in all but one of the samples collected at the Elgin wells. Wells located in the vicinity of the Tri-County site had ferrous iron concentrations at or below 1.0 mg/L in 17 of the 23 monitoring wells. Ferrous iron concentrations were at or below 1.0 mg/L in 12 of the 16 Elgin Landfill monitoring wells. These results are consistent with electron transfer (i.e., iron reduction), which is evidence of natural attenuation. It should be noted that the ferrous iron result from analysis of the sample from MW20S was above the range of the instrument utilized (i.e., 3.0 mg/L).

Laboratory results for metals (i.e., iron and manganese), sulfate, and nitrate/nitrite are all generally consistent with an aerobic environment away from the waste mass and limited areas in proximity to the waste where conditions are reducing (i.e., anaerobic). There is no evidence of areas of severe reducing conditions where sulfate and nitrate would be reduced. The reducing environment may mobilize natural metals in soil (i.e., iron and manganese), but when exposed to an aerobic environment, these metals typically revert to the oxidized state and sorb to soil. These conditions are expected to support natural attenuation.

### **3.5 PROJECTED ACTIVITIES**

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified in Section 3.8 of this report are approved by the USEPA.

### **3.6 SUMMARY OF MEETINGS**

No meetings were convened in 2020.

### **3.7 CONCLUSIONS**

The data from the 2020 annual sampling event at the Site are generally complete and acceptable for use. Review of laboratory quality control data and results from analysis of quality control samples do not indicate any significant issues with regard to data quality. Except for the one item noted, Site monitoring wells were sampled and analysis was performed as required during this sampling period.

The data from this sampling period are generally consistent with data from prior annual sampling events. There were no concentrations of mercury or cyanide identified above the MCLs established under the Federal Safe Drinking Water Act or the Class I ILGWQS established under 35 Illinois Administrative Code 620.410 in the samples collected during this reporting period.

Turbidity in well samples above 10 NTUs occurred at a number of monitoring locations and appears to be naturally occurring and not related to well construction or sampling techniques. Groundwater samples are collected from monitoring wells using low-flow techniques and are not filtered prior to laboratory analysis. This practice may be related to the noted variability in results, especially with regard to metals (i.e., iron, manganese, chromium, nickel, and arsenic) concentrations. Elevated metals concentrations in groundwater can be associated with sediment (i.e., turbidity), but are not mobile in groundwater. No changes to the sampling procedures are warranted.

There were a total of 39 results from analysis of samples from the groundwater monitoring wells during this reporting period that met or exceeded an MCL or Class I ILGWQS. Only eight of those exceedances were related to an MCL. The MCL exceedances were associated with three parameters (i.e., arsenic, chromium and nitrate). Most of the exceedances (i.e., 17) are results from analysis of samples from wells in the shallow groundwater zone. There were four results in the data from laboratory analysis of the sample from well MW20S that exceeded the screening criteria (i.e., MCL or Class I ILGWQS); that was the highest number of exceedances at any single well. Although the concentrations over time of a number of indicator parameters or metals exhibit some variability, especially at wells in the shallow groundwater zone, groundwater quality in the vicinity of the Site is generally stable. The variations in concentration in the shallow and intermediate zone, and indirectly in the bedrock, may be related to prior sand and gravel mining in the vicinity of the Site. As such, Class IV (i.e., Other Groundwater) ILGWQS may be applicable. In any case, the groundwater in the shallow and intermediate zones is not likely usable as a potable water source; thus, the Class II (General Resource) ILGWQS may also be applicable. There is only one concentration (chromium at MW20S) in excess of the Class IV ILGWQS.

The results from analysis of samples from four private wells in the vicinity of the Site do not indicate site-related impacts. Although the concentrations of one or more parameters exceeded the screening criteria (i.e., Class I ILGWQS) in samples from two of the four wells, the well water is reportedly used only as a non-potable water source at those two locations.

Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the intermediate zone is primarily to the south in the vicinity of the Site, with local components of flow away from the landfill on the western and eastern perimeter. Groundwater flow in the deep zone appears to also be toward the south. Data from measurements at nested wells indicate slight downward gradients between the shallow/intermediate and intermediate/deep zones in the vicinity of the Site, where vertical flow is impeded by the presence of fine grain (i.e., low permeability) soil.

Natural attenuation continues to be effective in reducing the concentration of contaminants in the vicinity of the Site. While there may be areas in the vicinity of the waste mass where anaerobic (i.e., reducing) conditions exist in groundwater, the data described above indicate that groundwater conditions further away from the waste mass are generally aerobic.

### **3.8 RECOMMENDATIONS**

In that groundwater conditions are stable, and mercury and cyanide continue to not be quantified at concentrations above reporting limits in groundwater samples, analysis for these parameters should be discontinued.

The conditions at the Site warrant consideration of delisting from the National Priorities List (NPL) or a reduction in the frequency of groundwater sampling. Groundwater sampling could be performed every 5 years so that the data are available to support USEPA's periodic Site reviews. Periodic inspections (quarterly or annual) for the Tri-County and Elgin landfills would continue to be performed and the reports submitted to USEPA by WMIL and RSI. The data from the groundwater sampling event would be evaluated in a technical report that would be submitted to USEPA for consideration in its five-year reviews for the Site. The preparation and submittal of these annual reports would be discontinued. Options for future actions at the Site should be considered in conjunction with the ongoing five-year reviews, with discussion occurring so that the options for future actions would be included in the next review for the Site in 2024. That review will be the fifth five-year review subsequent to completion of construction of the RA at the Site.

## **4.0 COMMUNITY RELATIONS**

WMIL maintains contact with the Wildlife Habitat Council (WHC) to improve the wildlife habitat at the Woodland Landfill. WMIL has implemented recommendations from WHC that continue to contribute to wildlife habitat enhancements. These enhancements have expanded to the Tri-County Landfill portion of the Site. The work includes a mowing schedule to promote diversity of vegetative species and minimize disturbance to nesting birds; and installation of cover boards for reptiles and birdhouses for purple martins, bluebirds, and wood ducks.

## **5.0 2021 ACTIVITIES**

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified herein are approved by the USEPA. Routine O&M data for 2021 will be summarized in an annual report, to be submitted in 2022.

**Table 1. Groundwater Monitoring Schedule and Required Parameters  
Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Landfill	Well	Hydrostatic Unit Location	Metals and Cyanide	Indicator Parameters	Water Levels
Tri-County	G135	Shallow		A	A
Tri-County	MW1S	Shallow		A	A
Tri-County	MW2SR	Shallow	A	A	A
Tri-County	MW5SR	Shallow	A	A	A
Tri-County	MW6S	Shallow	A	A	A
Tri-County	MW10S	Shallow	A	A	A
Tri-County	MW12SR	Shallow	A	A	A
Tri-County	MW25S	Shallow		A	A
Tri-County	MW38S	Shallow	A	A	A
Tri-County	MW39S	Shallow	A	A	A
Tri-County	MW41S	Shallow	A	A	A
Tri-County	PZ29	Shallow-Piezometer			A
Tri-County	PZ32	Shallow-Piezometer			A
Tri-County	G142	Intermediate	A	A	A
Tri-County	MW111	Intermediate		A	
Tri-County	MW112	Intermediate		A	
Tri-County	MW21R	Intermediate	A	A	A
Tri-County	MW51R	Intermediate	A	A	A
Tri-County	MW06I	Intermediate	A	A	A
Tri-County	MW10I	Intermediate	A	A	A
Tri-County	MW121R	Intermediate	A	A	A
Tri-County	MW131R	Intermediate	A	A	A
Tri-County	MW39I	Intermediate	A	A	A
Tri-County	G112	Deep		A	A
Tri-County	MW1DR	Deep		A	A
Tri-County	MW40DR	Deep	A	A	A
Tri-County	PW07	Private Well	A	A	
Tri-County	PW09	Private Well	A	A	
Tri-County	PW22	Private Well	A	A	
Tri-County	PW23	Private Well	A	A	
Elgin	MW9S	Shallow		A	A
Elgin	MW20S	Shallow	A	A	A
Elgin	MW21S	Shallow	A	A	A
Elgin	MW24S	Shallow	A	A	A
Elgin	MW36S	Shallow	A	A	A
Elgin	MW37S	Shallow	A	A	A
Elgin	MW9I	Intermediate		A	A
Elgin	MW22I	Intermediate	A	A	A
Elgin	MW23I	Intermediate	A	A	A
Elgin	MW36I	Intermediate	A	A	A
Elgin	MW38I	Intermediate	A	A	A
Elgin	G141	Intermediate	A	A	A
Elgin	MW9D	Deep			A
Elgin	MW36D	Deep	A	A	A
Elgin	MW38D	Deep	A	A	A
Elgin	G111	Deep	A	A	A

**Notes:**

A = sampled annually

PW07 - located in sink of bathroom at office at Woodland Landfill Gas Energy Plant.

PW09 - Spigot off of large water tank in tool shed at Elgin Chicago Stone. Large tank is designated water source as per site supervisor.

PW22 - Sink between Men's bathroom and drinking fountain in hallway between Everlast Blacktop and Midwest Wrecking.

PW23 - Bathroom sink in maintenance shop.

**Table 2. Parameter List – Metals & Cyanide Analysis**  
**Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Parameter Name	RL	Units
Aluminum (total)	0.06	mg/l
Antimony (total)	0.006	mg/l
Arsenic (total)	0.001	mg/l
Barium (total)	0.005	mg/l
Beryllium (total)	0.001	mg/l
Cadmium (total)	0.001	mg/l
Calcium (total)	0.1	mg/l
Chromium (total)	0.003	mg/l
Cobalt (total)	0.003	mg/l
Copper (total)	0.004	mg/l
Iron (total)	0.06	mg/l
Lead (total)	0.001	mg/l
Magnesium (total)	0.05	mg/l
Manganese (total)	0.001	mg/l
Mercury (total)	0.0002	mg/l
Nickel (total)	0.004	mg/l
Potassium (total)	0.2	mg/l
Selenium (total)	0.01	mg/l
Silver (total)	0.004	mg/l
Sodium (total)	1	mg/l
Thallium (total)	0.002	mg/l
Vanadium (total)	0.003	mg/l
Zinc (total)	0.005	mg/l
Cyanide (total)	0.02	mg/l

**Notes:**

mg/l = milligrams per liter

RL = Reporting Limit for undiluted samples at Eurofins TestAmerica Laboratories, Inc.



**Table 3. Parameter List – Indicator Analysis**  
**Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Parameter Name	RL	Units
Alkalinity, total (as CaCO <sub>3</sub> )	10	mg/l
Chloride (total)	1	mg/l
N-Nitrate (total)	0.05	mg/l as N
N-Nitrite (total)	0.05	mg/l as N
Sulfate (total)	1	mg/l
Sulfide (total)	1000	µg/l
Total Suspended Solids	4	mg/l
Total Dissolved Solids	10	mg/l
Total Organic Carbon	1	mg/l
Ferrous Iron	NA	mg/l

Notes:

mg/l = milligrams per liter

µg/l = micrograms per liter

RL = Reporting Limit for undiluted samples at Eurofins TestAmerica Laboratories, Inc.

Nitrate and Nitrite analysis subcontracted to Environmental Monitoring and Technologies, Inc. for Tri-County Landfill well samples and to First Environmental Laboratories, Inc. for Elgin Landfill well samples. The identified RLs are maximum values for undiluted samples.

NA – Ferrous iron results are from field analysis; RL is not applicable

**Table 4. Groundwater Elevations**  
**Tri-County Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Well	Sample Date	Groundwater Zone	Top of Casing Elevation (famsl)	Depth to Water (feet)	Groundwater Elevation (famsl)	Total Depth 2020 (feet)	Total Depth 2019 (feet)	Difference in Total Depth
G135	6/8/2020	Shallow	759.16	19.41	739.75	28.2	28.2	0.0
MW1S	6/8/2020	Shallow	741.14	3.79	737.35	10.5	10.6	0.0
MW2SR	6/8/2020	Shallow	759.26	18.37	740.89	26.1	26.1	0.0
MW5SR	6/8/2020	Shallow	748.17	7.76	740.41	22.9	22.9	0.0
MW6S	6/8/2020	Shallow	743.96	2.52	741.44	14.6	14.6	0.0
MW10S	6/8/2020	Shallow	756.64	11.75	744.89	20.8	20.8	0.0
MW12SR	6/8/2020	Shallow	757.37	17.06	740.31	24.4	24.4	0.0
MW25S	6/8/2020	Shallow	749.22	11.29	737.93	15.3	15.3	0.1
MW38S	6/8/2020	Shallow	755.03	9.02	746.01	17.0	17.1	0.0
MW39S	6/8/2020	Shallow	739.45	4.08	735.37	15.2	15.4	-0.3
MW41S	6/8/2020	Shallow	757.34	16.04	741.30	28.1	28.0	0.1
PZ29	6/8/2020	Shallow	757.48	9.99	747.49	16.6	16.6	0.0
PZ32	6/8/2020	Shallow	760.74	19.63	741.11	21.9	21.9	0.0
G142	6/8/2020	Intermediate	759.16	19.13	740.03	34.8	34.8	0.0
MW11I	6/8/2020	Intermediate	740.97	13.40	727.57	33.9	33.9	0.0
MW112	6/8/2020	Intermediate	741.30	11.28	730.02	51.9	51.9	0.0
MW21R	6/8/2020	Intermediate	759.15	23.40	735.75	50.0	50.1	-0.1
MW51R	6/8/2020	Intermediate	746.87	12.31	734.56	38.1	38.0	0.1
MW6I	6/8/2020	Intermediate	743.94	11.11	732.83	38.5	38.5	0.0
MW10I	6/8/2020	Intermediate	756.12	20.01	736.11	55.7	55.7	0.0
MW121R	6/8/2020	Intermediate	757.20	21.53	735.67	52.2	52.1	0.1
MW131R	6/8/2020	Intermediate	757.60	22.01	735.59	37.1	37.1	0.0
MW39I	6/8/2020	Intermediate	738.91	11.93	726.98	32.6	32.7	-0.1
G112	6/8/2020	Deep	759.41	33.96	725.45	109.4	109.4	0.0
MW1DR	6/8/2020	Deep	742.39	12.51	729.88	85.5	85.4	0.1
MW40DR	6/8/2020	Deep	757.43	26.71	730.72	107.8	107.7	0.1

**Abbreviations:**

famsl = feet above mean sea level

**Notes:**

- 1) Initial groundwater elevations were recorded by Environmental Monitoring Technologies, Inc. (EMT) on June 8, 2020 prior to sampling.
- 2) Water elevations are the only required monitoring information collected at monitoring wells PZ29 and PZ32.
- 3) Total depth measurements are taken annually, after sample collection is completed. 2019 total depth measurements provided for reference.
- 4) Top of Casing Elevations at G112 and G142 resurveyed on August 5, 2019.

Created by: <u>ZTW</u>	Date: <u>2/21/2019</u>
Last revision by: <u>ZTW</u>	Date: <u>7/20/2020</u>
Checked by: <u>MCK</u>	Date: <u>7/20/2020</u>

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\[Table 4 - Elevations Tri County.xls]Table 4

**Table 5. Groundwater Elevations  
Elgin Landfill / SCS Engineers Project No. 25212016.00**

Well ID	Sample Date	Groundwater Zone	Top of Casing Elevation (famsl)	Depth to Water (feet)	Groundwater Elevation (famsl)	Total Depth 2020 (feet)	Total Depth 2019 (feet)	Difference in Total Depth
MW9S	6/8/2020	Shallow	748.49	9.25	739.24	17.1	16.8	0.3
MW20S	6/8/2020	Shallow	766.75	28.60	738.15	32.7	32.5	0.3
MW21S	6/8/2020	Shallow	766.49	29.20	737.29	44.6	44.3	0.3
MW24S	6/8/2020	Shallow	763.82	22.95	740.87	30.0	29.7	0.3
MW36S	6/8/2020	Shallow	766.85	29.55	737.30	35.5	35.2	0.3
MW37S	6/8/2020	Shallow	764.65	27.20	737.45	30.0	29.7	0.3
G141	6/8/2020	Intermediate	761.93	28.05	733.88	61.1	60.8	0.3
MW9I	6/8/2020	Intermediate	748.88	9.70	739.18	36.9	36.7	0.1
MW22I	6/8/2020	Intermediate	766.31	32.20	734.11	44.4	44.1	0.3
MW23I	6/8/2020	Intermediate	767.88	33.75	734.13	45.2	44.9	0.3
MW36I	6/8/2020	Intermediate	766.87	31.35	735.52	75.3	74.6	0.7
MW38I	6/8/2020	Intermediate	757.29	21.70	735.59	53.4	53.1	0.3
G111	6/8/2020	Deep	762.20	32.05	730.15	95.1	94.8	0.3
MW9D	6/8/2020	Deep	748.06	9.10	738.96	48.4	48.3	0.1
MW36D	6/8/2020	Deep	766.56	35.55	731.01	96.2	95.9	0.3
MW38D	6/8/2020	Deep	757.57	22.85	734.72	78.3	78.0	0.3

Abbreviations:

famsl = feet above mean sea level

Notes:

- 1) Initial total depth and groundwater elevations were recorded by Civil and Environmental Consultants, Inc. (CEC) June 8, 2020 prior to sampling.
- 2) 2019 Total depth measurements provided for reference.

Created by: <u>ZTW</u>	Date: <u>2/21/2019</u>
Last revision by: <u>ZTW</u>	Date: <u>7/20/2020</u>
Checked by: <u>MCK</u>	Date: <u>7/20/2020</u>

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\[Table 5 - Elevations Elgin.xls]Table 5

**Table 6. Quantified Parameters for Field Duplicate Pairs**  
**Tri-County and Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/9/2020	MW21S	Alkalinity, Total	518	577	10	mg/L	11.4
6/9/2020	MW21S	Calcium	89.6	95.6	0.5	mg/L	6.7
6/9/2020	MW21S	Barium	0.27	0.29	0.005	mg/L	7.4
6/9/2020	MW21S	Chloride	138	134	5	mg/L	2.9
6/9/2020	MW21S	Iron	1.3	2.2	0.14	mg/L	69.2
6/9/2020	MW21S	Magnesium	49	53.6	0.2	mg/L	9.4
6/9/2020	MW21S	Manganese	0.15	0.15	0.003	mg/L	0.0
6/9/2020	MW21S	Nitrate	0.18	< 0.1	0.1	mg/L	44.4
6/9/2020	MW21S	Potassium	26.8	29.4	0.5	mg/L	9.7
6/9/2020	MW21S	Sodium	118	122	5	mg/L	3.4
6/9/2020	MW21S	Sulfate	76.3	76.8	5	mg/L	0.7
6/9/2020	MW21S	Total Dissolved Solids	868	972	20	mg/L	12.0
6/9/2020	MW21S	Total Organic Carbon	9.8	9.7	1	mg/L	1.0
6/9/2020	MW21S	Total Suspended Solids	< 4	5.6	4	mg/L	40.0

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/8/2020	MW38I	Alkalinity, Total	325	323	10	mg/L	0.6
6/8/2020	MW38I	Aluminum	0.2	< 0.06	0.06	mg/L	70.0
6/8/2020	MW38I	Calcium	81.4	76.6	0.5	mg/L	5.9
6/8/2020	MW38I	Chloride	23.9	24.3	2	mg/L	1.7
6/8/2020	MW38I	Iron	1.3	1	0.14	mg/L	23.1
6/8/2020	MW38I	Barium	0.11	0.1	0.005	mg/L	9.1
6/8/2020	MW38I	Magnesium	38.9	38.6	0.2	mg/L	0.8
6/8/2020	MW38I	Manganese	0.021	0.018	0.003	mg/L	14.3
6/8/2020	MW38I	Potassium	1.5	1.4	0.5	mg/L	6.7
6/8/2020	MW38I	Sodium	12.8	12.8	5	mg/L	0.0
6/8/2020	MW38I	Sulfate	31.8	31.7	2	mg/L	0.3
6/8/2020	MW38I	Total Dissolved Solids	469	400	10	mg/L	14.7
6/8/2020	MW38I	Total Organic Carbon	1.3	1.4	1	mg/L	98.5

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/10/2020	MW10S	Chloride	8.5	8.5	2.8	mg/L	0.0
6/10/2020	MW10S	Barium	0.051	0.058	0.005	mg/L	13.7
6/10/2020	MW10S	Sulfate	80.9	79.5	3.5	mg/L	1.7
6/10/2020	MW10S	Alkalinity, Total	324	374	16	mg/L	15.4
6/10/2020	MW10S	Aluminum	0.45	0.65	0.06	mg/L	44.4
6/10/2020	MW10S	Calcium	94.7	98.8	0.1	mg/L	4.3
6/10/2020	MW10S	Iron	0.64	0.97	0.06	mg/L	51.6
6/10/2020	MW10S	Magnesium	48.7	50	0.05	mg/L	2.7
6/10/2020	MW10S	Manganese	0.055	0.083	0.001	mg/L	50.9
6/10/2020	MW10S	Potassium	1.3	1.4	0.2	mg/L	7.7
6/10/2020	MW10S	Sodium	9.4	10.3	1	mg/L	9.6
6/10/2020	MW10S	Zinc	0.0059	0.0064	0.005	mg/L	8.5
6/10/2020	MW10S	Total Dissolved Solids	445	464	10	mg/L	4.3
6/10/2020	MW10S	Total Suspended Solids	10	< 4	4	mg/L	60.0
6/10/2020	MW10S	Total Organic Carbon	1.3	1.1	1	mg/L	15.4

**Table 6. Quantified Parameters for Field Duplicate Pairs**  
**Tri-County and Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/9/2020	MW5SR	Chloride	3.1	3.3	1.4	mg/L	6.5
6/9/2020	MW5SR	Sulfate	15.6	16.4	1.7	mg/L	5.1
6/9/2020	MW5SR	Alkalinity, Total	278	279	12	mg/L	0.4
6/9/2020	MW5SR	Calcium	66.9	67.8	0.1	mg/L	1.3
6/9/2020	MW5SR	Iron	0.99	1	0.06	mg/L	1.0
6/9/2020	MW5SR	Magnesium	24	24.7	0.05	mg/L	2.9
6/9/2020	MW5SR	Manganese	0.23	0.24	0.001	mg/L	4.3
6/9/2020	MW5SR	Potassium	2.1	2.2	0.2	mg/L	4.8
6/9/2020	MW5SR	Sodium	5	5.2	1	mg/L	4.0
6/9/2020	MW5SR	Arsenic	0.0017	0.0018	0.001	mg/L	5.9
6/9/2020	MW5SR	Total Dissolved Solids	261	252	10	mg/L	3.4
6/9/2020	MW5SR	Total Organic Carbon	3.3	3.3	1	mg/L	0.0
6/9/2020	MW5SR	Barium	0.035	0.036	0.005	mg/L	2.9

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/10/2020	MW2SR	Chloride	15.8	15.9	1.4	mg/L	0.6
6/10/2020	MW2SR	Nitrate	13.9	13.3	0.05	mg/L	4.3
6/10/2020	MW2SR	Sulfate	247	238	1.7	mg/L	3.6
6/10/2020	MW2SR	Alkalinity, Total	263	267	12	mg/L	1.5
6/10/2020	MW2SR	Calcium	138	131	0.1	mg/L	5.1
6/10/2020	MW2SR	Magnesium	50.1	47.5	0.05	mg/L	5.2
6/10/2020	MW2SR	Potassium	3.5	3.3	0.2	mg/L	5.7
6/10/2020	MW2SR	Sodium	13.8	13.1	1	mg/L	5.1
6/10/2020	MW2SR	Total Dissolved Solids	667	699	10	mg/L	4.8
6/10/2020	MW2SR	Total Organic Carbon	2.4	2.3	1	mg/L	4.2
6/10/2020	MW2SR	Barium	0.059	0.056	0.005	mg/L	5.1

**Abbreviations:**

mg/L = milligrams per liter      < = less than

**Notes:**

1) Bold values indicate the relative percent difference is greater than 15 percent where at least one of the results is greater than five times the Reporting Limit.

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/20/2019  
Date: 7/17/2020  
Date: 1/19/2021

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\[Table 6 - Quantified Parameters for Field Duplicate Pairs.xlsx]Table 6

**Table 7. Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells  
Tri-County Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Groundwater Zone	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS	Class II ILGWQS	Class IV ILGWQS
6/9/2020	MW39S	Shallow	Arsenic	0.011	0.001		MG/L	0.01	0.01	0.2	0.2
6/8/2020	G112	Deep	Chloride	682	2.8		MG/L		200	200	
6/8/2020	G142	Intermediate	Chloride	383	2.8		MG/L		200	200	
6/10/2020	MW121R	Intermediate	Chloride	270	1.4		MG/L		200	200	
6/9/2020	MW111	Intermediate	Chloride	308	1.4		MG/L		200	200	
6/9/2020	MW112	Intermediate	Chloride	271	2.8		MG/L		200	200	
6/9/2020	MW121R	Intermediate	Chromium	0.58	0.003		MG/L	0.1	0.1	1	1
6/9/2020	MW38S	Shallow	Chromium	0.44	0.003		MG/L	0.1	0.1	1	1
6/9/2020	MW39S	Shallow	Iron	8.6	0.06		MG/L		5	5	
6/10/2020	MW40DR	Deep	Iron	5.7	0.06		MG/L		5	5	
6/10/2020	MW6S	Shallow	Iron	11.5	0.06		MG/L		5	5	
6/10/2020	MW123R	Shallow	Manganese	0.32	0.001		MG/L		0.15	10	
6/9/2020	MW38S	Shallow	Manganese	0.25	0.001	^	MG/L		0.15	10	
6/9/2020	MW391	Intermediate	Manganese	0.22	0.001	^	MG/L		0.15	10	
6/9/2020	MW39S	Shallow	Manganese	2.3	0.001		MG/L		0.15	10	
6/9/2020	MW53R	Shallow	Manganese	0.23	0.001		MG/L		0.15	10	
6/10/2020	MW6S	Shallow	Manganese	0.41	0.001		MG/L		0.15	10	
6/10/2020	MW23R	Shallow	Nitrate	13.9	0.05		MG/L AS N	10	10	100	100
6/8/2020	MW41S	Shallow	Nitrate	23	0.05		MG/L AS N	10	10	100	100
6/8/2020	G112	Deep	Total Dissolved Solids	1890	10		MG/L		1200	1200	
6/8/2020	G142	Intermediate	Total Dissolved Solids	1240	10		MG/L		1200	1200	
6/10/2020	MW40DR	Deep	Total Dissolved Solids	1450	10		MG/L		1200	1200	
6/8/2020	MW41S	Shallow	Total Dissolved Solids	1290	10		MG/L		1200	1200	

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level  
 ILGWQS = Illinois Class I Groundwater Quality Standard  
 mg/L = milligrams per liter  
 mg/L as N = milligrams per liter as nitrogen

**Qualifiers:**

^ = instrument related quality control is outside acceptance limits.

**Notes:**

- 1) Chloride and metals concentrations are total
- 2) Bold indicates exceedance of both the Illinois Class I Groundwater Standard and MCL
- 3) Italicized indicates exceedance of the Class II ILGWQS

Created by: ZTW Date: 2/21/2019  
 Last revision by: ZTW Date: 7/17/2020  
 Checked by: MCK Date: 7/16/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\Table 7 - MW Exceedances Tri County.xlsx|Table 7

**Table 8. Exceedances of Illinois Class I Groundwater Quality Standards  
Private Wells / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
6/8/2020	PW07	Chloride	763	5.6		MG/L		200
6/8/2020	PW07	Total Dissolved Solids	1940	10		MG/L		1200
6/8/2020	PW23	Chloride	268	2.8		MG/L		200

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level

ILGWQS = Illinois Class I Groundwater Quality Standard

mg/L = milligrams per liter

**Notes:**

1) Chloride and metals concentrations are total.

Created by: ZTW	Date: 2/21/2019
Last revision by: ZTW	Date: 7/1/2020
Checked by: MCK	Date: 7/16/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\ [Table 8 - PW Exceedances.xlsx]Table 8



**Table 9. Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells  
Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Groundwater Zone	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS	Class II ILGWQS	Class IV ILGWQS
6/9/2020	G111	Deep	Chloride	320	10		MG/L		200	200	
6/9/2020	MW36I	Intermediate	Chloride	269	5		MG/L		200	200	
6/9/2020	MW20S	Shallow	Chromium	<b>8.6</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/10/2020	MW9I	Intermediate	Chromium	<b>0.21</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/9/2020	MW38D	Deep	Chromium	<b>0.12</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/9/2020	MW20S	Shallow	Iron	16.1	0.14		MG/L		5	5	
6/9/2020	MW36I	Intermediate	Iron	9.1	0.14		MG/L		5	5	
6/9/2020	G111	Deep	Iron	6.9	0.14		MG/L		5	5	
6/10/2020	MW36D	Deep	Manganese	0.55	0.003		MG/L		0.15	10	
6/9/2020	MW20S	Shallow	Manganese	0.43	0.003		MG/L		0.15	10	
6/10/2020	MW22I	Intermediate	Manganese	0.41	0.003		MG/L		0.15	10	
6/9/2020	MW36I	Intermediate	Manganese	0.26	0.003		MG/L		0.15	10	
6/9/2020	MW38D	Deep	Manganese	0.2	0.003		MG/L		0.15	10	
6/9/2020	MW20S	Shallow	Nickel	1.6	0.01		MG/L		0.1	2	
6/9/2020	MW36S	Shallow	Nickel	0.15	0.01		MG/L		0.1	2	
6/9/2020	G111	Deep	Total Dissolved Solids	1250	20		MG/L		1200	1200	

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level

ILGWQS = Illinois Class I Groundwater Quality Standard

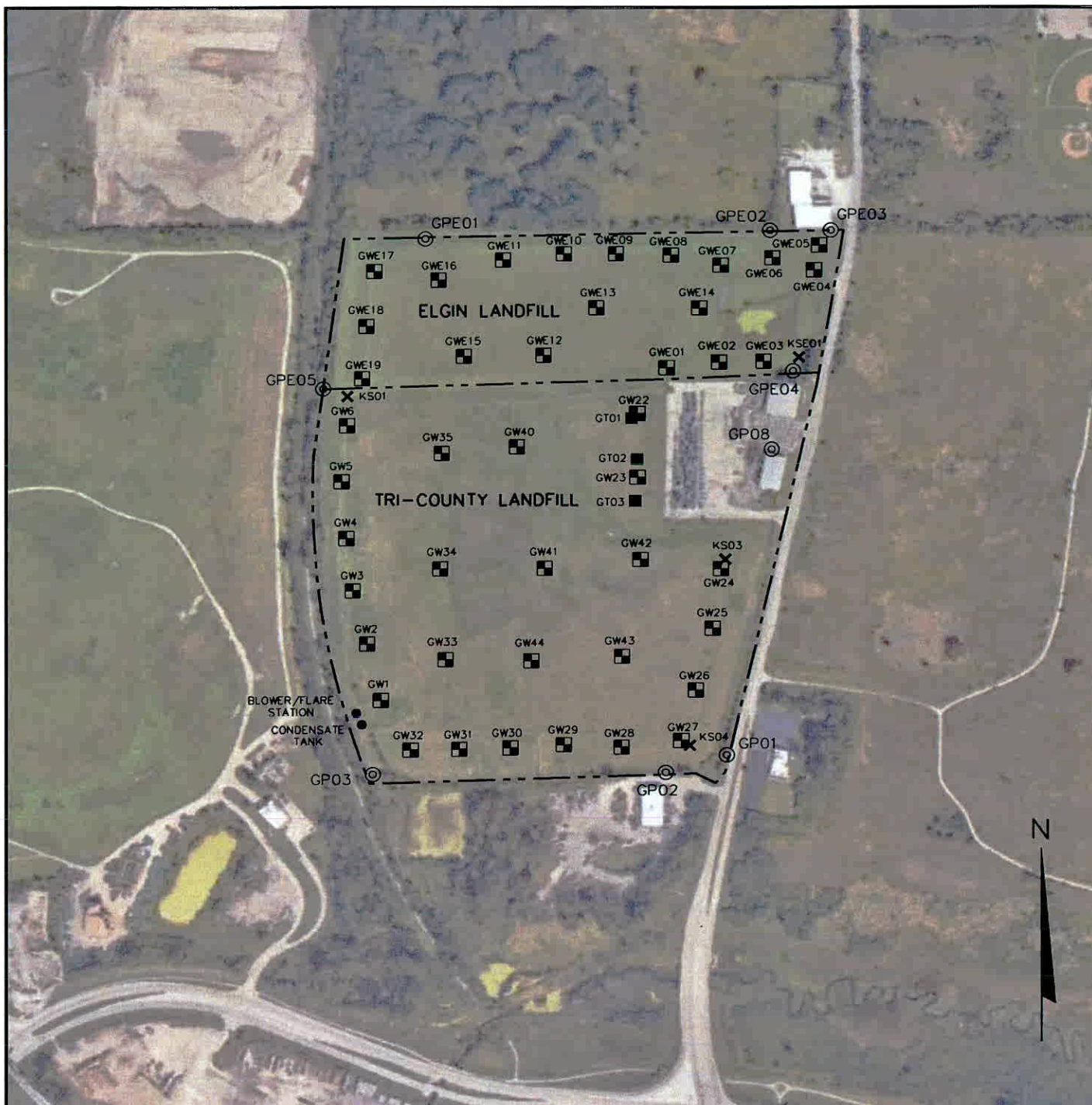
mg/L = milligrams per liter

**Notes:**

- 1) Chloride and metals concentrations are total
- 2) Bold indicates exceedance of both the Illinois Class I Groundwater Standard and MCL
- 3) Italicized indicates exceedance of the Class II ILGWQS

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Last revision by: ZTW Date: 7/13/2020  
Checked by: MCK Date: 7/16/2020

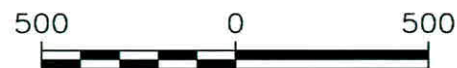
Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\ [Table 9 - MW Exceedances Elgin.xlsx] Table 9




Note: Base image dated May 2020 from Google Earth

#### LEGEND

- |     |                               |   |  |
|-----|-------------------------------|---|--|
| --- | APPROXIMATE PROPERTY BOUNDARY | ● | BLOWER/FLARE STATION AND CONDENSATE TANK |
| ■   | GAS WELL                      | ■ | GAS TRENCH                               |
| ⊙   | GAS PROBE                     | × | KNOCKOUT                                 |



SCALE: 1" = 500'



CLIENT		WASTE MANAGEMENT OF ILLINOIS, INC.	SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS	ENGINEER	<b>SCS ENGINEERS</b> N84 W13540 LEON RD. MENOMONEE FALLS, WI, 53051 PHONE: (262) 518-4079	SITE FEATURES LANDFILL GAS CONTROL SYSTEM	
PROJECT NO.	25212003.00	DRAWN BY:	ZTW				FIGURE 1	
DRAWN:	04/27/2021	CHECKED BY:	MP					
REVISED:	04/27/2021	APPROVED BY:	MP					



2





CLIENT	 WASTE MANAGEMENT OF ILLINOIS, INC.		SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS		SHALLOW WELLS WATER TABLE FLOW MAP JUNE 8, 2020	
	PROJECT NO.	25212003.00		DRAWN BY:	ZTW		FIGURE 3
	DRAWN:	04/27/2021		CHECKED BY:	MP		
	REVISED:	04/27/2021		APPROVED BY:	MP		

N84 W13540 LEON RD. MENOMONEE FALLS,  
WI, 53051 PHONE: (262) 518-4079





Note: Base image dated May 2020 from Google Earth

#### LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER FLOW DIRECTION
- MW-39I
- 726.98 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- POTENTIOMETRIC SURFACE CONTOUR



SCALE: 1" = 500'

CLIENT	 WASTE MANAGEMENT OF ILLINOIS, INC.		SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS		INTERMEDIATE WELLS GROUNDWATER FLOW MAP JUNE 8, 2020	
	PROJECT NO.	25212003.00		DRAWN BY:	ZTW	 N84 W13540 LEON RD. MENOMONEE FALLS, WI, 53051 PHONE: (262) 518-4079	FIGURE  4
	DRAWN:	04/27/2021		CHECKED BY:	MP		
	REVISED:	04/27/2021		APPROVED BY:	MP		



Waste Management, Inc.  
**CLOSED LANDFILL ENVIRONMENTAL INSPECTION FORM**

FACILITY NAME: <u>Tri-County</u>		INSPECTION DATE: <u>11-2-20</u>
LOCATION (Physical address: not P.O.Box number) <u>Route 25</u>		
CITY <u>South Elgin</u>	STATE <u>Illinois</u>	ZIP CODE <u>60177</u>
TOTAL ACREAGE: <u>40</u>	FILLED ACREAGE: <u>40</u>	
DATE FACILITY STOPPED RECEIVING WASTE: <u>12/31/76</u>		
OWNER STATUS <u>Operated/Owned</u> DATE OF LAST WMNA INSPECTION: _____		
IS THIS FACILITY ON THE NATIONAL PRIORITIES LIST (NPL)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
If yes, date listed on the NPL <u>3/31/89</u>		
IF NO, IS THIS FACILITY ON CERCLIS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA		
If the facility is on CERCLIS what is the date of listing _____		
WEATHER (during inspection): Temperature: <u>73°</u> Conditions: <u>Clear</u>		
SIGNATURES:		
The findings of this inspection were discussed with appropriate personnel, corrective actions were identified and entered into CARS, and an implementation schedule was mutually agreed upon:		
Site Engineer <u>John Allmeyer</u>		DATE <u>11-2-20</u>
Division President: <u>Michael Petersen</u>		DATE _____
cc: Group Environmental Manager		
Next Scheduled Inspection Date <u>2021</u>		

<u>SECURITY &amp; ACCESS</u>	Y	N	NA	CARS
1. Access controlled by perimeter fencing?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "No Trespassing" signs posted in appropriate languages?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. No evidence of trespassing?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>COVER &amp; VEGETATION</u>				
4. Final cover in acceptable condition? (provide documentation reference in comments section).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Top slope in acceptable condition? (good drainage, minimal erosion).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Side slope in acceptable condition? (good drainage, minimal erosion).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Acceptable vegetation (quality & density)?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. No damage to gas and leachate systems?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. No exposed waste?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>DRAINAGE</u>				
10. Appropriate runoff controls in place?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Slope drains in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Perimeter ditches in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Detention/retention ponds in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Outlet structures in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Point discharge permitted?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. Facility is void of standing water where unwanted wetlands may develop?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>LEACHATE &amp; GAS CONTROL SYSTEMS</u>					<u>CARS</u>
	<u>Y</u>	<u>N</u>	<u>NA</u>		
17. Collection manholes secure and in acceptable condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-----	<input type="checkbox"/>
18. Riser and cleanouts secure and in acceptable condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
19. Approved Leachate Management Plan being implemented?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
20. Storage tanks or ponds in acceptable condition and operated in compliance with requirements?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
21. Sewer discharge pipe or meter secure and in good condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
22. Gas flares, vents and gas wells secure and in good condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
23. No odor migration off-site?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
24. No gas migration off-site?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
25. Probes/detection system calibrated and in good working condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
See SCS Engineers monitoring report					
<u>MONITORING WELLS</u>					
26. Documentation of well installation is available in region files?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-----	<input type="checkbox"/>
27. Current ground-water monitoring well inspections filed?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

**Development on or near the site? (Specify size and type; e.g., residential - 40 acres, well and septic)**

**ITEM 6**

Sierra ramitas checked 5-4-20 & 11-2-20  
Site ramitas on 8-4-21

**CARS= Compliance Action Reporting System Issue**



## Quarterly Site Inspection Form – Tri-County Landfill

### Gas Probe Data

Instrument: GEM 5000

Last Calibration Date: 6/30/2020

Sampling Date: 6/30/2020

Monitored by: Zach Watson

Barometric Pressure and Trend (inches Hg): 29.09" Hg - Increasing

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
<b>Methane</b> (% by volume)	0.0	0.1	37.0	0.0
<b>Carbon Dioxide</b> (% by volume)	0.6	0.4	15.4	6.9
<b>Oxygen</b> (% by volume)	19.8	20.0	0.5	10.9
<b>Pressure/Vacuum</b> (Inches Water)	0.01"	-0.08"	-0.03"	-0.28"

**Gas Well Integrity Survey**

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK	OK	OK	OK	OK	OK	OK	OK

Mark OK in box if no visible issues.

**Comments:** Recently mowed. All gas wells in good condition.

**Oil and Grit Separator OK?**

**Comments:** Some debris on the screen of the oil/grit separator. Cleaned this off.



## Tri-County Landfill Quarterly Monitoring Form

### Gas Probe Data

Instrument: *GEN5000*

Last Calibration Date: *9-18-2020*

Sampling Date: *9-18-2020*

Monitored by: *Zach Watson*

Barometric Pressure (inches Hg): *29.55"*  
*Tread*

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
Methane	<i>0.0</i>	<i>0.0</i>	<i>7.5</i>	<i>0.0</i>
Carbon Dioxide	<i>0.3</i>	<i>0.1</i>	<i>16.0</i>	<i>8.6</i>
Oxygen	<i>20.5</i>	<i>20.8</i>	<i>3.0</i>	<i>8.3</i>
Pressure/Vacuum (Inches Water)	<i>-0.11"</i>	<i>-0.12"</i>	<i>-0.13"</i>	<i>-0.14"</i>

**Gas Well Integrity Survey**

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK									

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK									

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK							

Mark OK in box if no visible issues.

**Comments:**

**Oil and Grit Separator OK?**

**Comments:** *Clear. No obstructions*

# Quarterly Site Inspection Form - Tri-County Landfill

## Gas Probe Data

Instrument: GEM5000

Last Calibration Date: 12/28/2020

Sampling Date: 12/28/2020

Monitored by: Zach Watson

Barometric Pressure and Trend (inches Hg): 29.37" Increasing

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
Methane (% by volume)	0.0	0.0	28.0	0.0
Carbon Dioxide (% by volume)	0.2	0.2	18.6	9.2
Oxygen (% by volume)	20.6	20.6	0.6	7.4
Pressure/Vacuum (Inches Water)	-0.18"	-0.18"	-0.14"	-0.16"

Gas Well Integrity Survey

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK	—	—	—	—	—	—	—	—	—

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK	—	—	—	—	—	—	—	—	—

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK	—	—	—	—	—	—	—

Mark OK in box if no visible issues.

Comments: Landfill cap looks good. Western portion mowed.

Oil and Grit Separator OK?

Comments: Yes.

**BLUE FLAME CREW**  
A DIVISION OF BOOS RT GROUP

April 14, 2020  
R RSI008 041420

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**1st Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the first quarter of 2020 performed on March 30, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**



Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist



**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 1 OF 2

INSPECTION DATE: 3/30/20

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Partly Cloudy, 32°F, R.H. 82%, B.P. 28.92" Hg, 5 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks

Notes: (1) Gate Locked

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter East Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

**Inspection Item  
(check when complete)**

☒ Upper Storm water Pond  
Notes: (1) Dry

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge  
Notes: (1) Has water

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales  
Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

3/30/20

Inspector(s) Names: <u>Dan Sawyer</u>																																																																																																																																								
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<input checked="" type="checkbox"/> <b>Condensate Knock-Out/Lift Station (KSE01)</b> Notes: (1) Out of Service – Passive Gas System, Wells vent from top of well risers Overall Condition: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Critical – Take Immediate Action Out of Service – Passive Gas System, Wells vent from top of well risers																																																																																																																																								
<input checked="" type="checkbox"/> <b>Monitoring Control Stations</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>MCE01 MCE02</p> <p>% Methane <u>NA</u></p> <p>% Oxygen</p> <p>% Carbon Dioxide</p> </div> <div style="width: 45%;"> <p>MCE01 (Southeast Tie-in)</p> <p>Valves: 2-in Air - Open Y/N <u>N</u></p> <p>2-in Discharge - Open Y/N <u>N</u></p> <p>6-in Gas Header - Valve Setting <u>C</u></p> <p>Other: _____</p> </div> <div style="width: 45%;"> <p>MCE02 (Southwest Tie-in)</p> <p>Valve: _____</p> <p>6-in Gas Header - Valve Setting <u>C</u></p> <p>Other: _____</p> </div> </div> <p>Overall Condition: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Critical – Take Immediate Action</p> <p>Out of Service – Passive Gas System, Wells vent from top of well risers</p>																																																																																																																																								
<input checked="" type="checkbox"/> <b>East LFG Well System (GWE 01 thru GWE13)</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Activity</th> <th>GWE01</th> <th>GWE02</th> <th>GWE03</th> <th>GWE04</th> <th>GWE05</th> <th>GWE06</th> </tr> </thead> <tbody> <tr><td>Well Pressure</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Header Pressure</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Differential Press</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>LFG Temperature</td><td>50</td><td>51.6</td><td>51</td><td>54.5</td><td>53.4</td><td>49.4</td></tr> <tr><td>LFG Flow</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>% Methane</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>% Oxygen</td><td>22.3</td><td>22.4</td><td>22.4</td><td>20.5</td><td>21.4</td><td>19.1</td></tr> <tr><td>% Carbon Dioxide</td><td>0.2</td><td>0.1</td><td>0.1</td><td>0.7</td><td>0.4</td><td>0.9</td></tr> </tbody> </table> </div> <div style="width: 45%;"> <p style="text-align: center;">Remember Close Sample Ports and Reattach Hoses.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>GWE07</th> <th>GWE08</th> <th>GWE09</th> <th>GWE10</th> <th>GWE11</th> <th>GWE12</th> <th>GWE13</th> <th>GWE14</th> </tr> </thead> <tbody> <tr><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>51.5</td><td>54.9</td><td>54.6</td><td>54.4</td><td>48.8</td><td>53.5</td><td>52.7</td><td>50</td></tr> <tr><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>22.2</td><td>21.8</td><td>19.4</td><td>22.6</td><td>22.7</td><td>20.4</td><td>22.3</td><td>22.3</td></tr> <tr><td>0.2</td><td>0.5</td><td>1.9</td><td>0.2</td><td>0.2</td><td>0.1</td><td>0.1</td><td>0.1</td></tr> </tbody> </table> </div> </div> <div style="margin-top: 10px;"> <p>Valve Setting _____</p> <p>Other _____</p> <p>Other _____</p> <p>Overall Condition: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Critical – Take Immediate Action</p> <p>Other Notes: All well valves set to closed.</p> </div>		Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	LFG Temperature	50	51.6	51	54.5	53.4	49.4	LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	% Methane	0.0	0.0	0.0	0.0	0.0	0.0	% Oxygen	22.3	22.4	22.4	20.5	21.4	19.1	% Carbon Dioxide	0.2	0.1	0.1	0.7	0.4	0.9	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.5	54.9	54.6	54.4	48.8	53.5	52.7	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	21.8	19.4	22.6	22.7	20.4	22.3	22.3	0.2	0.5	1.9	0.2	0.2	0.1	0.1	0.1
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**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

3/30/20

**Inspection Item**  
(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	49.8	51.1	53.1	54.7	54.1
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	1.7	0.0	0.3	0.0
% Oxygen	19.3	18.8	15.8	19.6	22.5
% Carbon Dioxide	0.7	1.4	1.9	1.2	0.1
Valve Setting					
Other					
Other					

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action



July 7, 2020  
R RSI008 070720

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report  
2nd Quarter 2020  
Elgin Landfill  
Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the second quarter of 2020 performed on June 30, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 1 OF 2

INSPECTION DATE: 6/30/20

Inspector(s) Names: Jake Granger

Company: Blue Flame Crew, LLC

Weather Conditions: Mostly Cloudy, 73°F, R.H. 87%, B.P. 29.19" Hg, 3 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks

Notes: (1) Gate Locked

See Photo: 1, 3

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter East Slope

Notes: (1) No issues noted

See Photo: 2, 4

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope

Notes: (1) No issues noted

See Photo: 7, 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope

Notes: (1) No issues noted

See Photo: 9, 10

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 2 OF 2

**Inspection Item  
(check when complete)**

☒ Upper Storm water Pond  
Notes: (1) Dry

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge  
Notes: (1) Has water

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales  
Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action



**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

6/30/20

Inspector(s) Names: Jake Granger

Company: Blue Flame Crew, LLC

Weather Conditions: Mostly Cloudy, 73°F, R.H. 87%, B.P. 29.19" Hg, 3 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
**(check when complete)**

☒ **Condensate Knock-Out/Lift Station (KSE01)**

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **Monitoring Control Stations**

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve:
% Methane	<u>NA</u>		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	Other:
% Carbon Dioxide			Other:	

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **East LFG Well System (GWE 01 thru GWE13)**

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	86.2	97.1	100.1	98.2	96.6	92.7	93.7	99.5	104	91.8	91.5	90.5	94	99.1
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	35.6	0.0	0.0
% Oxygen	17.9	20.9	21.2	19.8	19.6	19	19.2	19.3	17	18.8	19.6	2.3	20.7	19.1
% Carbon Dioxide	1.9	0.2	0.0	0.0	0.0	0.4	0.0	0.0	1.8	0.4	0.0	14.7	0.0	0.9

Valve Setting: \_\_\_\_\_  
Other: \_\_\_\_\_  
Other: \_\_\_\_\_

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.

**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

6/30/20

**Inspection Item**  
(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	90.1	99.7	94.9	94.4	97.8
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	50.3	16.9	0.0	18.4	0.0
% Oxygen	1.0	3.2	18.9	5.1	19.9
% Carbon Dioxide	15.2	7.9	0.7	10.0	0.1
Valve Setting					
Other					
Other					

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

## Elgin 2nd Quarter 2020 Photo Log

Photo 1



Photo 2





## Elgin 2nd Quarter 2020 Photo Log

Photo 3



Photo 4





## Elgin 2nd Quarter 2020 Photo Log

Photo 5



Photo 6



## Elgin 2nd Quarter 2020 Photo Log

Photo 7



Photo 8





Photo 9



Photo 10







October 13, 2020  
R RSI008 101320

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**3rd Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the third quarter of 2020 performed on September 29, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 1 OF 2**

**INSPECTION DATE: 9/29/20**

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 51°F, R.H. 80%, B.P. 29.12" Hg, 6 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ **General Assessment of Perimeter Fencing, Gates, & Locks**

Notes: (1) Gate Locked

See Photo: 1, 2

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter East Slope**

Notes: (1) No issues noted

See Photo: 2, 4

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter West Slope**

Notes: (1) No issues noted

See Photo: 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter South Slope**

Notes: (1) No issues noted

See Photo: 12

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

<b>Inspection Item</b> (check when complete)				
<input checked="" type="checkbox"/> Upper Storm water Pond Notes: (1) Dry		See Photo: 13		
Overall Condition:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Critical – Take Immediate Action
<input checked="" type="checkbox"/> Lower Storm water Pond and Discharge Notes: (1) Has water		See Photos:		
Overall Condition:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Critical – Take Immediate Action
<input checked="" type="checkbox"/> Landfill Top Surfaces and Drainage Swales Notes: (1) Good		<input type="checkbox"/> OTHER		
Overall Condition:	<input checked="" type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

9/29/20

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 51°F, R.H. 80%, B.P. 29.12" Hg, 6 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ Monitoring Control Stations

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve:
% Methane	NA		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	
% Carbon Dioxide			Other: _____	Other: _____

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ East LFG Well System (GWE 01 thru GWE13)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	82.3	61.4	59.5	66.0	66.8	69.0	66.6	66.3	75.7	65.7	68.1	87.1	61.4	79.6
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	13.4	0.5	0.0	27.1	0.1	21.1	14.7	20.8	23.9	12.5	0.2	42.1	0.0	6.9
% Oxygen	0.0	6.0	16.8	0.7	7.2	0.0	0.1	0.3	0.3	0.0	14.1	0.0	20.2	0.4
% Carbon Dioxide	16.6	7.1	2.5	15.4	10.7	11.0	12.0	13.7	14.1	12.9	4.6	19.5	1.1	9.8

Valve Setting \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.

**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

9/29/20

**Inspection Item**

(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	81.7	69.1	75.7	84.6	73.7
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	46.6	24.7	16.4	32.7	37.1
% Oxygen	0.0	0.0	0.0	0.0	0.0
% Carbon Dioxide	18.0	9.5	13.7	13.1	21.9
Valve Setting					
Other					
Other					

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action



Elgin 3rd Quarter 2020 Photo Log

Photo 1

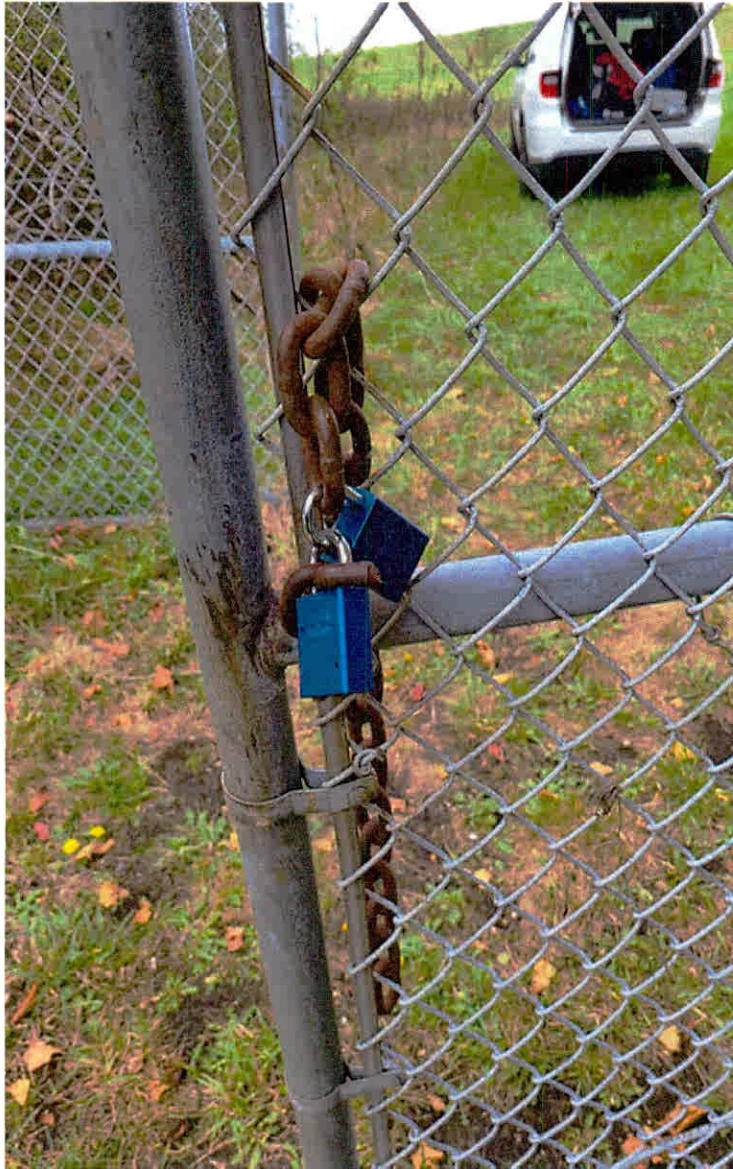


Photo 2





Elgin 3rd Quarter 2020 Photo Log

Photo 3



Photo 4





Photo 5

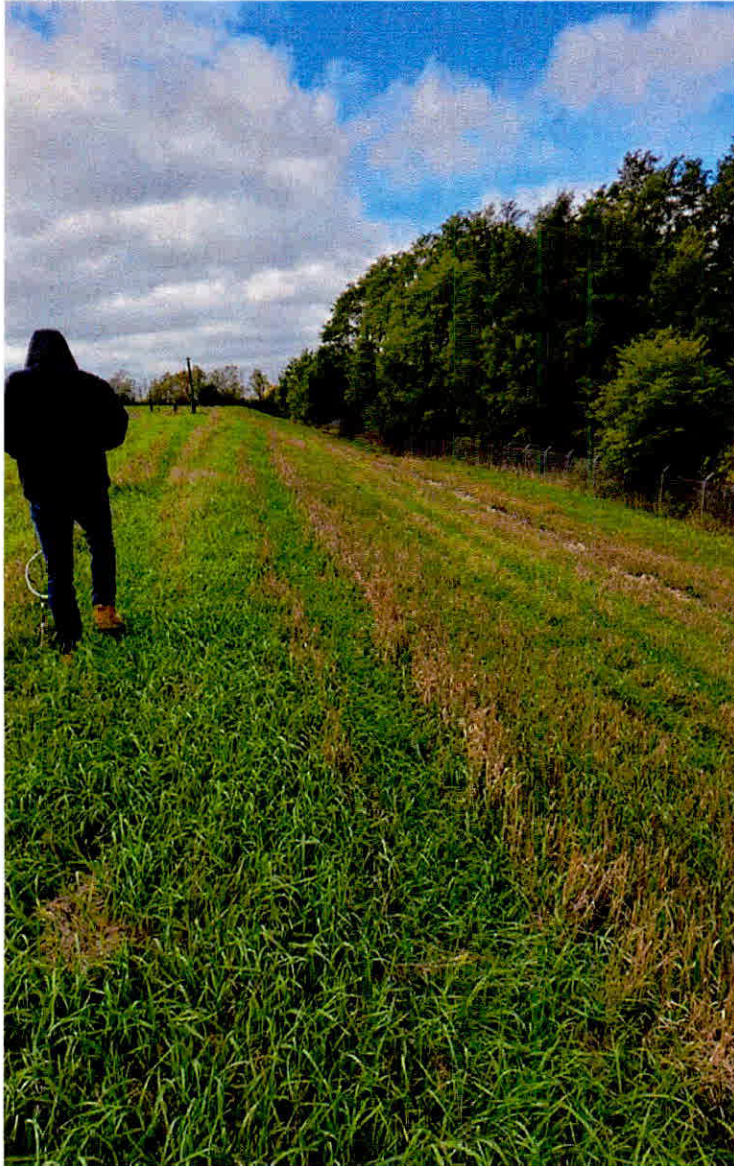


Photo 6





Elgin 3rd Quarter 2020 Photo Log

Photo 7



Photo 8





Photo 9



Photo 10





Photo 11



Photo 12





## Elgin 3rd Quarter 2020 Photo Log

Photo 13





December 22, 2020  
R RSI008 122220

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**4th Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the fourth quarter of 2020 performed on December 18, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 1 OF 2**

**INSPECTION DATE: 12/18/20**

**Inspector(s) Names:** Duncan Sawyer

**Company:** Blue Flame Crew, LLC

**Weather Conditions:** Cloudy, 33°F, R.H. 70%, B.P. 29.57"Hg, 13 mph

**General Site Conditions:** Ground Frozen

(e.g., muddy, dusty, etc.)

**Inspection Item  
(check when complete)**

☒ **General Assessment of Perimeter Fencing, Gates, & Locks**

Notes: (1) Gate Locked

See Photo: 1

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter East Slope**

Notes: (1) No issues noted

See Photo: 1, 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter West Slope**

Notes: (1) No issues noted

See Photo: 5

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter South Slope**

Notes: (1) No issues noted

See Photo: 7

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action



**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

**Inspection Item**  
(check when complete)

☒ Upper Storm water Pond

Notes: (1) Dry

See Photo: 8

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge

Notes: (1) Has water

See Photos: 2

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales

Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

12/18/20

Inspector(s) Names: Duncan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 33°F, R.H. 70%, B.P. 29.57" Hg, 13 mph

General Site Conditions: Ground Frozen  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ Condensate Knock-Out/Lift Station (KSE01)

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ Monitoring Control Stations

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve: <u>i</u>
% Methane	<u>NA</u>		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	
% Carbon Dioxide			Other: _____	Other: _____

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ East LFG Well System (GWE 01 thru GWE13)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	64.4	42.5	39.6	43.3	36.8	48.0	42.5	41.6	59.4	45.6	45.0	73.4	38.8	59.1
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	3.4	0.2	0.0	0.2	0.0	1.4	5.0	11.4	10.2	6.5	0.2	23.1	0.2	0.2
% Oxygen	3.2	7.6	19.7	19.8	21.4	6.4	4.5	6.6	0.9	0.8	17.1	0.8	19.6	8.1
% Carbon Dioxide	11.2	6.0	1.4	1.8	1.7	6.2	7.7	8.2	13.1	13.2	5.5	17.0	3.0	4.6

Valve Setting \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.

**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

12/18/20

**Inspection Item**  
(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	66.3	44.3	58.8	64.8	58.0
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	27.8	16.7	11.8	22.1	25.9
% Oxygen	0.5	0.1	0.0	0.2	0.0
% Carbon Dioxide	16.8	10.2	14.4	12.9	21.3
Valve Setting					
Other					
Other					

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N	Y	Y	Y	Y	Y
(Casing, Cap, Lock)					

Other

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Elgin 4th Quarter 2020 Photo Log

Photo 1



Photo 2





Elgin 4th Quarter 2020 Photo Log

Photo 3



Photo 4





Elgin 4th Quarter 2020 Photo Log

Photo 5



Photo 6





Elgin 4th Quarter 2020 Photo Log

Photo 7



Photo 8



## BOL CROSS REFERENCE SHEET --- SAME FACILITIES

Facility Number:	<u>0890800001</u>
Facility Name:	<u>Waste Mgmt of II - Closed Landfill</u>
USEPA Number:	<u></u>
File Category:	<u>SF/Tech</u>

FOR ADDITIONAL INFORMATION ON THIS, SEE CATEGORY SF/Tech  
UNDER THIS SAME FILE HEADING. (CD)

Date of Document: 06-01-2021

### DESCRIPTION OF OTHER DOCUMENT

06-29-2021

2020 Annual Report

Appendix D

Laboratory Analytical Reports and EDD Files

IEPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

AUG 09 2021

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**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G112	Chloride	682	2.8		mg/L
6/8/2020	G112	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	G112	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	G112	Sulfate	3.5	3.5	U	mg/L
6/8/2020	G112	Alkalinity, Total	903	40		mg/L
6/8/2020	G112	Depth to water from land surface	31.89			feet
6/8/2020	G112	Depth to Water from Top of Casing	34.2			feet
6/8/2020	G112	Dissolved Oxygen, Field	0.74			mg/L
6/8/2020	G112	Elevation, Bottom of Well	650			famsl
6/8/2020	G112	Ferrous Iron	3.3			mg/L
6/8/2020	G112	Field EH/ORP	-124.8			millivolts
6/8/2020	G112	Measuring Point Elevation	759.41			famsl
6/8/2020	G112	pH, Field	6.92			SU
6/8/2020	G112	Specific Conductance, Field	3343			µmhos/cm
6/8/2020	G112	Temperature	55.8			fahrenheit
6/8/2020	G112	Turbidity	0.52			NTU
6/8/2020	G112	Water Elevation	725.21			famsl
6/8/2020	G112	Total Dissolved Solids	1890	10		mg/L
6/8/2020	G112	Total Suspended Solids	12.4	4		mg/L
6/8/2020	G112	Sulfide	1000	1000	U	µg/L
6/8/2020	G112	Total Organic Carbon	51.5	1		mg/L
6/9/2020	G135	Chloride	16.8	1.4		mg/L
6/9/2020	G135	Nitrate	0.26	0.05		mg/L AS N
6/9/2020	G135	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	G135	Sulfate	46.9	1.7		mg/L
6/9/2020	G135	Alkalinity, Total	386	16		mg/L
6/9/2020	G135	Depth to water from land surface	18.79			feet
6/9/2020	G135	Depth to Water from Top of Casing	19.5			feet
6/9/2020	G135	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	G135	Elevation, Bottom of Well	730.95			famsl
6/9/2020	G135	Ferrous Iron	0			mg/L
6/9/2020	G135	Field EH/ORP	114.6			millivolts
6/9/2020	G135	Measuring Point Elevation	759.16			famsl
6/9/2020	G135	pH, Field	7			SU
6/9/2020	G135	Specific Conductance, Field	733			µmhos/cm
6/9/2020	G135	Temperature	50.9			fahrenheit
6/9/2020	G135	Turbidity	0.16			NTU
6/9/2020	G135	Water Elevation	739.66			famsl
6/9/2020	G135	Total Dissolved Solids	391	10		mg/L
6/9/2020	G135	Total Suspended Solids	4	4	U	mg/L
6/9/2020	G135	Sulfide	1000	1000	U	µg/L
6/9/2020	G135	Total Organic Carbon	2.5	1		mg/L
6/8/2020	G142	Chloride	383	2.8		mg/L
6/8/2020	G142	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	G142	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	G142	Sulfate	3.5	3.5	U	mg/L
6/8/2020	G142	Alkalinity, Total	754	32		mg/L
6/8/2020	G142	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	G142	Aluminum	0.06	0.06	U	mg/L
6/8/2020	G142	Barium	0.42	0.005	^	mg/L
6/8/2020	G142	Beryllium	0.001	0.001	U	mg/L
6/8/2020	G142	Cadmium	0.001	0.001	U	mg/L
6/8/2020	G142	Calcium	85.6	0.1		mg/L
6/8/2020	G142	Chromium	0.003	0.003	U	mg/L
6/8/2020	G142	Cobalt	0.0034	0.003		mg/L
6/8/2020	G142	Copper	0.004	0.004	U	mg/L
6/8/2020	G142	Iron	1.1	0.06		mg/L
6/8/2020	G142	Magnesium	95.5	0.05		mg/L
6/8/2020	G142	Manganese	0.016	0.001		mg/L
6/8/2020	G142	Nickel	0.025	0.004		mg/L
6/8/2020	G142	Potassium	18.3	0.2		mg/L
6/8/2020	G142	Selenium	0.01	0.01	U	mg/L
6/8/2020	G142	Silver	0.004	0.004	U	mg/L
6/8/2020	G142	Sodium	257	1		mg/L
6/8/2020	G142	Vanadium	0.003	0.003	U	mg/L
6/8/2020	G142	Zinc	0.005	0.005	U	mg/L
6/8/2020	G142	Antimony	0.006	0.006	U	mg/L
6/8/2020	G142	Arsenic	0.0014	0.001		mg/L
6/8/2020	G142	Lead	0.001	0.001	U	mg/L
6/8/2020	G142	Thallium	0.002	0.002	U	mg/L
6/8/2020	G142	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	G142	Depth to water from land surface	16.78			feet
6/8/2020	G142	Depth to Water from Top of Casing	19.14			feet
6/8/2020	G142	Dissolved Oxygen, Field	0.27			mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G142	Elevation, Bottom of Well	724.35			famsl
6/8/2020	G142	Ferrous Iron	0			mg/L
6/8/2020	G142	Field EH/ORP	108.6			millivolts
6/8/2020	G142	Measuring Point Elevation	759.16			famsl
6/8/2020	G142	pH, Field	7.57			SU
6/8/2020	G142	Specific Conductance, Field	2354			uhmos/cm
6/8/2020	G142	Temperature	53.8			fahrenheit
6/8/2020	G142	Turbidity	8.02			NTU
6/8/2020	G142	Water Elevation	740.02			famsl
6/8/2020	G142	Total Dissolved Solids	1240	10		mg/L
6/8/2020	G142	Total Suspended Solids	6	4		mg/L
6/8/2020	G142	Sulfide	1000	1000	U	ug/L
6/8/2020	G142	Total Organic Carbon	22.8	1		mg/L
6/10/2020	MW061	Chloride	121	1.4		mg/L
6/10/2020	MW061	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW061	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW061	Sulfate	1.7	1.7	U	mg/L
6/10/2020	MW061	Alkalinity, Total	491	20		mg/L
6/10/2020	MW061	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW061	Aluminum	0.079	0.06		mg/L
6/10/2020	MW061	Barium	0.22	0.005	^	mg/L
6/10/2020	MW061	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW061	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW061	Calcium	71.9	0.1		mg/L
6/10/2020	MW061	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW061	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW061	Copper	0.004	0.004	U	mg/L
6/10/2020	MW061	Iron	3.8	0.06		mg/L
6/10/2020	MW061	Magnesium	52.8	0.05		mg/L
6/10/2020	MW061	Manganese	0.025	0.001		mg/L
6/10/2020	MW061	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW061	Potassium	8.8	0.2		mg/L
6/10/2020	MW061	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW061	Silver	0.004	0.004	U	mg/L
6/10/2020	MW061	Sodium	63.7	1		mg/L
6/10/2020	MW061	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW061	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW061	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW061	Arsenic	0.0011	0.001		mg/L
6/10/2020	MW061	Lead	0.001	0.001	U	mg/L
6/10/2020	MW061	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW061	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW061	Depth to water from land surface	8.68			feet
6/10/2020	MW061	Depth to Water from Top of Casing	11.08			feet
6/10/2020	MW061	Dissolved Oxygen, Field	0.22			mg/L
6/10/2020	MW061	Elevation, Bottom of Well	705.48			famsl
6/10/2020	MW061	Ferrous Iron	2.74			mg/L
6/10/2020	MW061	Field EH/ORP	-68.1			millivolts
6/10/2020	MW061	Measuring Point Elevation	743.94			famsl
6/10/2020	MW061	pH, Field	7.13			SU
6/10/2020	MW061	Specific Conductance, Field	1105			uhmos/cm
6/10/2020	MW061	Temperature	54.5			fahrenheit
6/10/2020	MW061	Turbidity	10.76			NTU
6/10/2020	MW061	Water Elevation	732.86			famsl
6/10/2020	MW061	Total Dissolved Solids	570	10		mg/L
6/10/2020	MW061	Total Suspended Solids	21.6	4		mg/L
6/10/2020	MW061	Sulfide	1000	1000	U	ug/L
6/10/2020	MW061	Total Organic Carbon	6	1		mg/L
6/10/2020	MW101	Chloride	4.8	1		mg/L
6/10/2020	MW101	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW101	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW101	Sulfate	22	1		mg/L
6/10/2020	MW101	Alkalinity, Total	319	16		mg/L
6/10/2020	MW101	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW101	Aluminum	1.7	0.06		mg/L
6/10/2020	MW101	Barium	0.072	0.005	^	mg/L
6/10/2020	MW101	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW101	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW101	Calcium	66.8	0.1		mg/L
6/10/2020	MW101	Chromium	0.0057	0.003		mg/L
6/10/2020	MW101	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW101	Copper	0.0047	0.004		mg/L
6/10/2020	MW101	Iron	1.1	0.06		mg/L
6/10/2020	MW101	Magnesium	38.4	0.05		mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW10I	Manganese	0.041	0.001		mg/L
6/10/2020	MW10I	Nickel	0.004	0.004		mg/L
6/10/2020	MW10I	Potassium	0.44	0.2		mg/L
6/10/2020	MW10I	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW10I	Silver	0.004	0.004	U	mg/L
6/10/2020	MW10I	Sodium	7.2	1		mg/L
6/10/2020	MW10I	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW10I	Zinc	0.0085	0.005		mg/L
6/10/2020	MW10I	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW10I	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW10I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW10I	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW10I	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW10I	Depth to water from land surface	18.09			feet
6/10/2020	MW10I	Depth to Water from Top of Casing	19.89			feet
6/10/2020	MW10I	Dissolved Oxygen, Field	0.7			mg/L
6/10/2020	MW10I	Elevation, Bottom of Well	700.41			famsl
6/10/2020	MW10I	Ferrous Iron	0.13			mg/L
6/10/2020	MW10I	Field EH/ORP	129.4			millivolts
6/10/2020	MW10I	Measuring Point Elevation	756.12			famsl
6/10/2020	MW10I	pH, Field	6.99			SU
6/10/2020	MW10I	Specific Conductance, Field	557			uhmos/cm
6/10/2020	MW10I	Temperature	51.1			fahrenheit
6/10/2020	MW10I	Turbidity	21.9			NTU
6/10/2020	MW10I	Water Elevation	736.23			famsl
6/10/2020	MW10I	Total Dissolved Solids	296	10		mg/L
6/10/2020	MW10I	Total Suspended Solids	35.2	4		mg/L
6/10/2020	MW10I	Sulfide	1000	1000	U	ug/L
6/10/2020	MW10I	Total Organic Carbon	2	1		mg/L
6/10/2020	MW10S	Chloride	8.5	2.8		mg/L
6/10/2020	MW10S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW10S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW10S	Sulfate	80.9	3.5		mg/L
6/10/2020	MW10S	Alkalinity, Total	324	16		mg/L
6/10/2020	MW10S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW10S	Aluminum	0.45	0.06		mg/L
6/10/2020	MW10S	Barium	0.051	0.005	^	mg/L
6/10/2020	MW10S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW10S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW10S	Calcium	94.7	0.1		mg/L
6/10/2020	MW10S	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW10S	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW10S	Copper	0.004	0.004	U	mg/L
6/10/2020	MW10S	Iron	0.64	0.06		mg/L
6/10/2020	MW10S	Magnesium	48.7	0.05		mg/L
6/10/2020	MW10S	Manganese	0.055	0.001		mg/L
6/10/2020	MW10S	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW10S	Potassium	1.3	0.2		mg/L
6/10/2020	MW10S	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW10S	Silver	0.004	0.004	U	mg/L
6/10/2020	MW10S	Sodium	9.4	1		mg/L
6/10/2020	MW10S	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW10S	Zinc	0.0059	0.005		mg/L
6/10/2020	MW10S	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW10S	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW10S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW10S	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW10S	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW10S	Depth to water from land surface	9.46			feet
6/10/2020	MW10S	Depth to Water from Top of Casing	11.76			feet
6/10/2020	MW10S	Dissolved Oxygen, Field	3.51			mg/L
6/10/2020	MW10S	Elevation, Bottom of Well	735.89			famsl
6/10/2020	MW10S	Ferrous Iron	0			mg/L
6/10/2020	MW10S	Field EH/ORP	169.4			millivolts
6/10/2020	MW10S	Measuring Point Elevation	756.64			famsl
6/10/2020	MW10S	pH, Field	7.31			SU
6/10/2020	MW10S	Specific Conductance, Field	828			uhmos/cm
6/10/2020	MW10S	Temperature	51.7			fahrenheit
6/10/2020	MW10S	Turbidity	1.13			NTU
6/10/2020	MW10S	Water Elevation	744.88			famsl
6/10/2020	MW10S	Total Dissolved Solids	445	10		mg/L
6/10/2020	MW10S	Total Suspended Solids	10	4		mg/L
6/10/2020	MW10S	Sulfide	1000	1000	U	ug/L
6/10/2020	MW10S	Total Organic Carbon	1.3	1		mg/L



**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW12IR	Chloride	270	1.4		mg/L
6/10/2020	MW12IR	Nitrate	0.54	0.05		mg/L AS N
6/10/2020	MW12IR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW12IR	Sulfate	2	1.7		mg/L
6/10/2020	MW12IR	Alkalinity, Total	466	20		mg/L
6/10/2020	MW12IR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW12IR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW12IR	Barium	0.16	0.005	^	mg/L
6/10/2020	MW12IR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Calcium	98.4	0.1		mg/L
6/10/2020	MW12IR	Chromium	0.58	0.003		mg/L
6/10/2020	MW12IR	Cobalt	0.003	0.003		mg/L
6/10/2020	MW12IR	Copper	0.013	0.004		mg/L
6/10/2020	MW12IR	Iron	3.7	0.06		mg/L
6/10/2020	MW12IR	Magnesium	71.9	0.05		mg/L
6/10/2020	MW12IR	Manganese	0.044	0.001		mg/L
6/10/2020	MW12IR	Nickel	0.074	0.004		mg/L
6/10/2020	MW12IR	Potassium	3.2	0.2		mg/L
6/10/2020	MW12IR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW12IR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW12IR	Sodium	119	1		mg/L
6/10/2020	MW12IR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW12IR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW12IR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW12IR	Arsenic	0.0059	0.001		mg/L
6/10/2020	MW12IR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW12IR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW12IR	Depth to water from land surface	19.72			feet
6/10/2020	MW12IR	Depth to Water from Top of Casing	21.63			feet
6/10/2020	MW12IR	Dissolved Oxygen, Field	0.95			mg/L
6/10/2020	MW12IR	Elevation, Bottom of Well	704.98			famsl
6/10/2020	MW12IR	Ferrous Iron	0.48			mg/L
6/10/2020	MW12IR	Field EH/ORP	-59.6			millivolts
6/10/2020	MW12IR	Measuring Point Elevation	757.2			famsl
6/10/2020	MW12IR	pH, Field	7.06			SU
6/10/2020	MW12IR	Specific Conductance, Field	1592			uhms/cm
6/10/2020	MW12IR	Temperature	53			fahrenheit
6/10/2020	MW12IR	Turbidity	6.3			NTU
6/10/2020	MW12IR	Water Elevation	735.57			famsl
6/10/2020	MW12IR	Total Dissolved Solids	897	10		mg/L
6/10/2020	MW12IR	Total Suspended Solids	10.4	4		mg/L
6/10/2020	MW12IR	Sulfide	1000	1000	U	ug/L
6/10/2020	MW12IR	Total Organic Carbon	13.4	1		mg/L
6/10/2020	MW12SR	Chloride	1.5	1		mg/L
6/10/2020	MW12SR	Nitrate	0.105	0.05		mg/L AS N
6/10/2020	MW12SR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW12SR	Sulfate	21.5	1		mg/L
6/10/2020	MW12SR	Alkalinity, Total	354	16		mg/L
6/10/2020	MW12SR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW12SR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW12SR	Barium	0.053	0.005	^	mg/L
6/10/2020	MW12SR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Calcium	90.8	0.1		mg/L
6/10/2020	MW12SR	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Copper	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Iron	1.5	0.06		mg/L
6/10/2020	MW12SR	Magnesium	32.7	0.05		mg/L
6/10/2020	MW12SR	Manganese	0.32	0.001		mg/L
6/10/2020	MW12SR	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Potassium	1.7	0.2		mg/L
6/10/2020	MW12SR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW12SR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Sodium	2.5	1		mg/L
6/10/2020	MW12SR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW12SR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW12SR	Arsenic	0.0053	0.001		mg/L
6/10/2020	MW12SR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW12SR	Mercury	0.0002	0.0002	U	mg/L



**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW12SR	Depth to water from land surface	15.38			feet
6/10/2020	MW12SR	Depth to Water from Top of Casing	17.23			feet
6/10/2020	MW12SR	Dissolved Oxygen, Field	0.42			mg/L
6/10/2020	MW12SR	Elevation, Bottom of Well	732.96			famsl
6/10/2020	MW12SR	Ferrous Iron	0.71			mg/L
6/10/2020	MW12SR	Field EH/ORP	-100.9			millivolts
6/10/2020	MW12SR	Measuring Point Elevation	757.37			famsl
6/10/2020	MW12SR	pH, Field	7.21			SU
6/10/2020	MW12SR	Specific Conductance, Field	620			µmhos/cm
6/10/2020	MW12SR	Temperature	46.2			fahrenheit
6/10/2020	MW12SR	Turbidity	3.77			NTU
6/10/2020	MW12SR	Water Elevation	740.14			famsl
6/10/2020	MW12SR	Total Dissolved Solids	332	10		mg/L
6/10/2020	MW12SR	Total Suspended Solids	5.2	4		mg/L
6/10/2020	MW12SR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW12SR	Total Organic Carbon	3.1	1		mg/L
6/9/2020	MW13IR	Chloride	39.3	1		mg/L
6/9/2020	MW13IR	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW13IR	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW13IR	Sulfate	24.3	1		mg/L
6/9/2020	MW13IR	Alkalinity, Total	360	16		mg/L
6/9/2020	MW13IR	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW13IR	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW13IR	Barium	0.14	0.005	Λ	mg/L
6/9/2020	MW13IR	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Calcium	76.1	0.1		mg/L
6/9/2020	MW13IR	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Copper	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Iron	1.2	0.06		mg/L
6/9/2020	MW13IR	Magnesium	49.4	0.05		mg/L
6/9/2020	MW13IR	Manganese	0.03	0.001		mg/L
6/9/2020	MW13IR	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Potassium	3	0.2		mg/L
6/9/2020	MW13IR	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW13IR	Silver	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Sodium	18.8	1		mg/L
6/9/2020	MW13IR	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW13IR	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW13IR	Arsenic	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Lead	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW13IR	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW13IR	Depth to water from land surface	20.48			feet
6/9/2020	MW13IR	Depth to Water from Top of Casing	21.9			feet
6/9/2020	MW13IR	Dissolved Oxygen, Field	0.23			mg/L
6/9/2020	MW13IR	Elevation, Bottom of Well	720.55			famsl
6/9/2020	MW13IR	Ferrous Iron	1.03			mg/L
6/9/2020	MW13IR	Field EH/ORP	-98.6			millivolts
6/9/2020	MW13IR	Measuring Point Elevation	757.6			famsl
6/9/2020	MW13IR	pH, Field	7.41			SU
6/9/2020	MW13IR	Specific Conductance, Field	508			µmhos/cm
6/9/2020	MW13IR	Temperature	56.5			fahrenheit
6/9/2020	MW13IR	Turbidity	0.53			NTU
6/9/2020	MW13IR	Water Elevation	735.7			famsl
6/9/2020	MW13IR	Total Dissolved Solids	670	10		mg/L
6/9/2020	MW13IR	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW13IR	Sulfide	1000	1000	U	µg/L
6/9/2020	MW13IR	Total Organic Carbon	2	1		mg/L
6/9/2020	MW1DR	Chloride	85.3	1.4		mg/L
6/9/2020	MW1DR	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW1DR	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW1DR	Sulfate	22.2	1.7		mg/L
6/9/2020	MW1DR	Alkalinity, Total	412	20		mg/L
6/9/2020	MW1DR	Depth to water from land surface	10.51			feet
6/9/2020	MW1DR	Depth to Water from Top of Casing	12.61			feet
6/9/2020	MW1DR	Dissolved Oxygen, Field	0.45			mg/L
6/9/2020	MW1DR	Ferrous Iron	0.58			mg/L
6/9/2020	MW1DR	Field EH/ORP	-209.2			millivolts
6/9/2020	MW1DR	pH, Field	7.62			SU
6/9/2020	MW1DR	Specific Conductance, Field	955			µmhos/cm
6/9/2020	MW1DR	Temperature	52.7			fahrenheit

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW1DR	Turbidity	1.03			NTU
6/9/2020	MW1DR	Total Dissolved Solids	595	10		mg/L
6/9/2020	MW1DR	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW1DR	Sulfide	1600	1000		µg/L
6/9/2020	MW1DR	Total Organic Carbon	6.1	1		mg/L
6/9/2020	MW111	Chloride	308	1.4		mg/L
6/9/2020	MW111	Nitrate	0.105	0.05		mg/L AS N
6/9/2020	MW111	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW111	Sulfate	51.9	1.7		mg/L
6/9/2020	MW111	Alkalinity, Total	402	20		mg/L
6/9/2020	MW111	Depth to water from land surface	11.89			feet
6/9/2020	MW111	Depth to Water from Top of Casing	13.69			feet
6/9/2020	MW111	Dissolved Oxygen, Field	0.53			mg/L
6/9/2020	MW111	Elevation, Bottom of Well	707.03			famsl
6/9/2020	MW111	Ferrous Iron	1.82			mg/L
6/9/2020	MW111	Field EH/ORP	-173			millivolts
6/9/2020	MW111	Measuring Point Elevation	740.97			famsl
6/9/2020	MW111	pH, Field	7.45			SU
6/9/2020	MW111	Specific Conductance, Field	1773			µmhos/cm
6/9/2020	MW111	Temperature	53.3			fahrenheit
6/9/2020	MW111	Turbidity	2.75			NTU
6/9/2020	MW111	Water Elevation	727.28			famsl
6/9/2020	MW111	Total Dissolved Solids	1030	10		mg/L
6/9/2020	MW111	Total Suspended Solids	10.4	4		mg/L
6/9/2020	MW111	Sulfide	1000	1000	U	µg/L
6/9/2020	MW111	Total Organic Carbon	2.1	1		mg/L
6/9/2020	MW112	Chloride	271	2.8		mg/L
6/9/2020	MW112	Nitrate	0.25	0.05		mg/L AS N
6/9/2020	MW112	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW112	Sulfate	48.3	3.5		mg/L
6/9/2020	MW112	Alkalinity, Total	447	20		mg/L
6/9/2020	MW112	Depth to water from land surface	10.31			feet
6/9/2020	MW112	Depth to Water from Top of Casing	11.87			feet
6/9/2020	MW112	Dissolved Oxygen, Field	0.72			mg/L
6/9/2020	MW112	Elevation, Bottom of Well	689.42			famsl
6/9/2020	MW112	Ferrous Iron	0.88			mg/L
6/9/2020	MW112	Field EH/ORP	-175.6			millivolts
6/9/2020	MW112	Measuring Point Elevation	741.3			famsl
6/9/2020	MW112	pH, Field	7.54			SU
6/9/2020	MW112	Specific Conductance, Field	1719			µmhos/cm
6/9/2020	MW112	Temperature	51.6			fahrenheit
6/9/2020	MW112	Turbidity	2.87			NTU
6/9/2020	MW112	Water Elevation	729.43			famsl
6/9/2020	MW112	Total Dissolved Solids	723	10		mg/L
6/9/2020	MW112	Total Suspended Solids	9.6	4		mg/L
6/9/2020	MW112	Sulfide	1000	1000	U	µg/L
6/9/2020	MW112	Total Organic Carbon	1.9	1		mg/L
6/9/2020	MW1S	Chloride	44.6	1.4		mg/L
6/9/2020	MW1S	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW1S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW1S	Sulfate	24.6	1.7		mg/L
6/9/2020	MW1S	Alkalinity, Total	489	24		mg/L
6/9/2020	MW1S	Depth to water from land surface	1.9			feet
6/9/2020	MW1S	Depth to Water from Top of Casing	3.85			feet
6/9/2020	MW1S	Dissolved Oxygen, Field	1.72			mg/L
6/9/2020	MW1S	Elevation, Bottom of Well	730.6			famsl
6/9/2020	MW1S	Field EH/ORP	-136.5			millivolts
6/9/2020	MW1S	Measuring Point Elevation	741.14			famsl
6/9/2020	MW1S	pH, Field	7.15			SU
6/9/2020	MW1S	Specific Conductance, Field	963			µmhos/cm
6/9/2020	MW1S	Temperature	57.6			fahrenheit
6/9/2020	MW1S	Turbidity	109.6			NTU
6/9/2020	MW1S	Water Elevation	737.29			famsl
6/9/2020	MW1S	Total Dissolved Solids	465	10		mg/L
6/9/2020	MW1S	Total Suspended Solids	56	4		mg/L
6/9/2020	MW1S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW1S	Total Organic Carbon	9.5	1		mg/L
6/10/2020	MW25S	Chloride	14.4	1.4		mg/L
6/10/2020	MW25S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW25S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW25S	Sulfate	38.6	1.7		mg/L
6/10/2020	MW25S	Alkalinity, Total	429	20		mg/L
6/10/2020	MW25S	Depth to water from land surface	8.01			feet
6/10/2020	MW25S	Depth to Water from Top of Casing	11.24			feet

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW25S	Dissolved Oxygen, Field	1.53			mg/L
6/10/2020	MW25S	Elevation, Bottom of Well	733.91			famsl
6/10/2020	MW25S	Ferrous Iron	5.83			mg/L
6/10/2020	MW25S	Field EH/ORP	20.7			millivolts
6/10/2020	MW25S	Measuring Point Elevation	749.22			famsl
6/10/2020	MW25S	pH, Field	7.12			SU
6/10/2020	MW25S	Specific Conductance, Field	771			uhmos/cm
6/10/2020	MW25S	Temperature	51.4			fahrenheit
6/10/2020	MW25S	Turbidity	727			NTU
6/10/2020	MW25S	Water Elevation	737.987			famsl
6/10/2020	MW25S	Total Dissolved Solids	421	10		mg/L
6/10/2020	MW25S	Total Suspended Solids	272	4		mg/L
6/10/2020	MW25S	Sulfide	1000	1000	U	ug/L
6/10/2020	MW25S	Total Organic Carbon	3.4	1		mg/L
6/10/2020	MW21R	Chloride	1	1		mg/L
6/10/2020	MW21R	Nitrate	0.05	0.05		mg/L AS N
6/10/2020	MW21R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW21R	Sulfate	2.3	1		mg/L
6/10/2020	MW21R	Alkalinity, Total	243	12		mg/L
6/10/2020	MW21R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW21R	Aluminum	0.062	0.06		mg/L
6/10/2020	MW21R	Barium	0.043	0.005	^	mg/L
6/10/2020	MW21R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW21R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW21R	Calcium	35.5	0.1		mg/L
6/10/2020	MW21R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW21R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW21R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW21R	Iron	1.1	0.06		mg/L
6/10/2020	MW21R	Magnesium	21.1	0.05		mg/L
6/10/2020	MW21R	Manganese	0.018	0.001		mg/L
6/10/2020	MW21R	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW21R	Potassium	0.93	0.2		mg/L
6/10/2020	MW21R	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW21R	Silver	0.004	0.004	U	mg/L
6/10/2020	MW21R	Sodium	22.3	1		mg/L
6/10/2020	MW21R	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW21R	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW21R	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW21R	Arsenic	0.0062	0.001		mg/L
6/10/2020	MW21R	Lead	0.001	0.001	U	mg/L
6/10/2020	MW21R	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW21R	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW21R	Depth to water from land surface	20.94			feet
6/10/2020	MW21R	Depth to Water from Top of Casing	23.35			feet
6/10/2020	MW21R	Dissolved Oxygen, Field	0.45			mg/L
6/10/2020	MW21R	Elevation, Bottom of Well	709.11			famsl
6/10/2020	MW21R	Ferrous Iron	0			mg/L
6/10/2020	MW21R	Field EH/ORP	45.9			millivolts
6/10/2020	MW21R	Measuring Point Elevation	759.15			famsl
6/10/2020	MW21R	pH, Field	7.51			SU
6/10/2020	MW21R	Specific Conductance, Field	403			uhmos/cm
6/10/2020	MW21R	Temperature	53.1			fahrenheit
6/10/2020	MW21R	Turbidity	2.03			NTU
6/10/2020	MW21R	Water Elevation	735.8			famsl
6/10/2020	MW21R	Total Dissolved Solids	199	10		mg/L
6/10/2020	MW21R	Total Suspended Solids	5.2	4		mg/L
6/10/2020	MW21R	Sulfide	1000	1000	U	ug/L
6/10/2020	MW21R	Total Organic Carbon	1.2	1		mg/L
6/10/2020	MW25R	Chloride	15.8	1.4		mg/L
6/10/2020	MW25R	Nitrate	13.9	0.05		mg/L AS N
6/10/2020	MW25R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW25R	Sulfate	247	1.7		mg/L
6/10/2020	MW25R	Alkalinity, Total	263	12		mg/L
6/10/2020	MW25R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW25R	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW25R	Barium	0.059	0.005	^	mg/L
6/10/2020	MW25R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW25R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW25R	Calcium	138	0.1		mg/L
6/10/2020	MW25R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW25R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW25R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW25R	Iron	0.06	0.06	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW2SR	Magnesium	50.1	0.05		mg/L
6/10/2020	MW2SR	Manganese	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW2SR	Potassium	3.5	0.2		mg/L
6/10/2020	MW2SR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW2SR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW2SR	Sodium	13.8	1		mg/L
6/10/2020	MW2SR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW2SR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW2SR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW2SR	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW2SR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW2SR	Depth to water from land surface	16.04			feet
6/10/2020	MW2SR	Depth to Water from Top of Casing	18.49			feet
6/10/2020	MW2SR	Dissolved Oxygen, Field	7.77			mg/L
6/10/2020	MW2SR	Elevation, Bottom of Well	733.16			famsl
6/10/2020	MW2SR	Ferrous Iron	0			mg/L
6/10/2020	MW2SR	Field EH/ORP	159			millivolts
6/10/2020	MW2SR	Measuring Point Elevation	759.26			famsl
6/10/2020	MW2SR	pH, Field	7.21			SU
6/10/2020	MW2SR	Specific Conductance, Field	1071			µmhos/cm
6/10/2020	MW2SR	Temperature	51.7			fahrenheit
6/10/2020	MW2SR	Turbidity	0.18			NTU
6/10/2020	MW2SR	Water Elevation	740.77			famsl
6/10/2020	MW2SR	Total Dissolved Solids	667	10		mg/L
6/10/2020	MW2SR	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW2SR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW2SR	Total Organic Carbon	2.4	1		mg/L
6/9/2020	MW38S	Chloride	7.3	1.4		mg/L
6/9/2020	MW38S	Nitrate	0.41	0.05		mg/L AS N
6/9/2020	MW38S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW38S	Sulfate	7.4	1.7		mg/L
6/9/2020	MW38S	Alkalinity, Total	299	12		mg/L
6/9/2020	MW38S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW38S	Aluminum	1.5	0.06		mg/L
6/9/2020	MW38S	Barium	0.079	0.005	^	mg/L
6/9/2020	MW38S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW38S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW38S	Calcium	64.1	0.1		mg/L
6/9/2020	MW38S	Chromium	0.44	0.003		mg/L
6/9/2020	MW38S	Cobalt	0.0087	0.003		mg/L
6/9/2020	MW38S	Copper	0.011	0.004		mg/L
6/9/2020	MW38S	Iron	4.9	0.06		mg/L
6/9/2020	MW38S	Magnesium	32.7	0.05		mg/L
6/9/2020	MW38S	Manganese	0.25	0.001	^	mg/L
6/9/2020	MW38S	Nickel	0.074	0.004		mg/L
6/9/2020	MW38S	Potassium	2.1	0.2		mg/L
6/9/2020	MW38S	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW38S	Silver	0.004	0.004	U	mg/L
6/9/2020	MW38S	Sodium	14.3	1		mg/L
6/9/2020	MW38S	Vanadium	0.0047	0.003		mg/L
6/9/2020	MW38S	Zinc	0.01	0.005		mg/L
6/9/2020	MW38S	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW38S	Arsenic	0.0013	0.001		mg/L
6/9/2020	MW38S	Lead	0.0011	0.001		mg/L
6/9/2020	MW38S	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW38S	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW38S	Depth to water from land surface	6.8			feet
6/9/2020	MW38S	Depth to Water from Top of Casing	9.13			feet
6/9/2020	MW38S	Dissolved Oxygen, Field	4.69			mg/L
6/9/2020	MW38S	Elevation, Bottom of Well	738.02			famsl
6/9/2020	MW38S	Ferrous Iron	0			mg/L
6/9/2020	MW38S	Field EH/ORP	170.5			millivolts
6/9/2020	MW38S	Measuring Point Elevation	755.03			famsl
6/9/2020	MW38S	pH, Field	7.36			SU
6/9/2020	MW38S	Specific Conductance, Field	535			µmhos/cm
6/9/2020	MW38S	Temperature	53.5			fahrenheit
6/9/2020	MW38S	Turbidity	6.95			NTU
6/9/2020	MW38S	Water Elevation	745.9			famsl
6/9/2020	MW38S	Total Dissolved Solids	524	10		mg/L
6/9/2020	MW38S	Total Suspended Solids	56	4		mg/L
6/9/2020	MW38S	Sulfide	1000	1000	U	µg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW38S	Total Organic Carbon	1	1	U	mg/L
6/9/2020	MW39I	Chloride	107	1.4		mg/L
6/9/2020	MW39I	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW39I	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW39I	Sulfate	20.1	1.7		mg/L
6/9/2020	MW39I	Alkalinity, Total	416	20		mg/L
6/9/2020	MW39I	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW39I	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW39I	Barium	0.13	0.005	^	mg/L
6/9/2020	MW39I	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW39I	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW39I	Calcium	82.2	0.1		mg/L
6/9/2020	MW39I	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW39I	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW39I	Copper	0.004	0.004	U	mg/L
6/9/2020	MW39I	Iron	0.47	0.06		mg/L
6/9/2020	MW39I	Magnesium	59.3	0.05		mg/L
6/9/2020	MW39I	Manganese	0.22	0.001	^	mg/L
6/9/2020	MW39I	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW39I	Potassium	2.9	0.2		mg/L
6/9/2020	MW39I	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW39I	Silver	0.004	0.004	U	mg/L
6/9/2020	MW39I	Sodium	49	1		mg/L
6/9/2020	MW39I	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW39I	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW39I	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW39I	Arsenic	0.0018	0.001		mg/L
6/9/2020	MW39I	Lead	0.001	0.001	U	mg/L
6/9/2020	MW39I	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW39I	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW39I	Depth to water from land surface	10.19			feet
6/9/2020	MW39I	Depth to Water from Top of Casing	12			feet
6/9/2020	MW39I	Dissolved Oxygen, Field	0.28			mg/L
6/9/2020	MW39I	Elevation, Bottom of Well	706.27			famsl
6/9/2020	MW39I	Ferrous Iron	0.29			mg/L
6/9/2020	MW39I	Field EH/ORP	-67.3			millivolts
6/9/2020	MW39I	Measuring Point Elevation	738.91			famsl
6/9/2020	MW39I	pH, Field	7.4			SU
6/9/2020	MW39I	Specific Conductance, Field	1055			µmhos/cm
6/9/2020	MW39I	Temperature	53.1			fahrenheit
6/9/2020	MW39I	Turbidity	0.55			NTU
6/9/2020	MW39I	Water Elevation	726.91			famsl
6/9/2020	MW39I	Total Dissolved Solids	660	10		mg/L
6/9/2020	MW39I	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW39I	Sulfide	1000	1000	U	µg/L
6/9/2020	MW39I	Total Organic Carbon	5.6	1		mg/L
6/9/2020	MW39S	Chloride	15.8	1.4		mg/L
6/9/2020	MW39S	Nitrate	0.08	0.05		mg/L AS N
6/9/2020	MW39S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW39S	Sulfate	16.3	1.7		mg/L
6/9/2020	MW39S	Alkalinity, Total	407	20		mg/L
6/9/2020	MW39S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW39S	Aluminum	0.088	0.06		mg/L
6/9/2020	MW39S	Barium	0.062	0.005	^	mg/L
6/9/2020	MW39S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW39S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW39S	Calcium	74.5	0.1		mg/L
6/9/2020	MW39S	Chromium	0.0074	0.003		mg/L
6/9/2020	MW39S	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW39S	Copper	0.004	0.004	U	mg/L
6/9/2020	MW39S	Iron	8.6	0.06		mg/L
6/9/2020	MW39S	Magnesium	42.5	0.05		mg/L
6/9/2020	MW39S	Manganese	2.3	0.001		mg/L
6/9/2020	MW39S	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW39S	Potassium	1.1	0.2		mg/L
6/9/2020	MW39S	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW39S	Silver	0.004	0.004	U	mg/L
6/9/2020	MW39S	Sodium	23.1	1		mg/L
6/9/2020	MW39S	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW39S	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW39S	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW39S	Arsenic	0.011	0.001		mg/L
6/9/2020	MW39S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW39S	Thallium	0.002	0.002	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW39S	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW39S	Depth to water from land surface	2.12			feet
6/9/2020	MW39S	Depth to Water from Top of Casing	4.12			feet
6/9/2020	MW39S	Dissolved Oxygen, Field	2.13			mg/L
6/9/2020	MW39S	Elevation, Bottom of Well	724			famsl
6/9/2020	MW39S	Ferrous Iron	3.3			mg/L
6/9/2020	MW39S	Field EH/ORP	33.4			millivolts
6/9/2020	MW39S	Measuring Point Elevation	739.45			famsl
6/9/2020	MW39S	pH, Field	6.91			SU
6/9/2020	MW39S	Specific Conductance, Field	722			µhmos/cm
6/9/2020	MW39S	Temperature	58			fahrenheit
6/9/2020	MW39S	Turbidity	6.17			NTU
6/9/2020	MW39S	Water Elevation	735.33			famsl
6/9/2020	MW39S	Total Dissolved Solids	408	10		mg/L
6/9/2020	MW39S	Total Suspended Solids	44.4	4		mg/L
6/9/2020	MW39S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW39S	Total Organic Carbon	4.3	1		mg/L
6/10/2020	MW40DR	Chloride	1	1	U	mg/L
6/10/2020	MW40DR	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW40DR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW40DR	Sulfate	1	1	U	mg/L
6/10/2020	MW40DR	Alkalinity, Total	733	36		mg/L
6/10/2020	MW40DR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW40DR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW40DR	Barium	0.61	0.005	^	mg/L
6/10/2020	MW40DR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Calcium	114	0.1		mg/L
6/10/2020	MW40DR	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Copper	0.004	0.004	U	mg/L
6/10/2020	MW40DR	Iron	5.7	0.06		mg/L
6/10/2020	MW40DR	Magnesium	89.9	0.05		mg/L
6/10/2020	MW40DR	Manganese	0.076	0.001		mg/L
6/10/2020	MW40DR	Nickel	0.025	0.004		mg/L
6/10/2020	MW40DR	Potassium	18.9	0.2		mg/L
6/10/2020	MW40DR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW40DR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW40DR	Sodium	191	1		mg/L
6/10/2020	MW40DR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW40DR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW40DR	Arsenic	0.008	0.001		mg/L
6/10/2020	MW40DR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW40DR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW40DR	Depth to water from land surface	24.67			feet
6/10/2020	MW40DR	Depth to Water from Top of Casing	26.77			feet
6/10/2020	MW40DR	Dissolved Oxygen, Field	0.69			mg/L
6/10/2020	MW40DR	Elevation, Bottom of Well	649.66			famsl
6/10/2020	MW40DR	Ferrous Iron	3.3			mg/L
6/10/2020	MW40DR	Field EH/ORP	-134.9			millivolts
6/10/2020	MW40DR	Measuring Point Elevation	757.43			famsl
6/10/2020	MW40DR	pH, Field	6.91			SU
6/10/2020	MW40DR	Specific Conductance, Field	3899			µhmos/cm
6/10/2020	MW40DR	Temperature	53.9			fahrenheit
6/10/2020	MW40DR	Turbidity	3.06			NTU
6/10/2020	MW40DR	Water Elevation	730.66			famsl
6/10/2020	MW40DR	Total Dissolved Solids	1450	10		mg/L
6/10/2020	MW40DR	Total Suspended Solids	19.2	4		mg/L
6/10/2020	MW40DR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW40DR	Total Organic Carbon	29.7	1		mg/L
6/8/2020	MW41S	Chloride	22	2.8		mg/L
6/8/2020	MW41S	Nitrate	23	0.05		mg/L AS N
6/8/2020	MW41S	Nitrite	0.07	0.05		mg/L AS N
6/8/2020	MW41S	Sulfate	298	3.5		mg/L
6/8/2020	MW41S	Alkalinity, Total	769	32		mg/L
6/8/2020	MW41S	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	MW41S	Aluminum	0.06	0.06	U	mg/L
6/8/2020	MW41S	Barium	0.059	0.005	^	mg/L
6/8/2020	MW41S	Beryllium	0.001	0.001	U	mg/L
6/8/2020	MW41S	Cadmium	0.001	0.001	U	mg/L
6/8/2020	MW41S	Calcium	239	0.1		mg/L
6/8/2020	MW41S	Chromium	0.003	0.003	U	mg/L



**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	MW41S	Cobalt	0.003	0.003	U	mg/L
6/8/2020	MW41S	Copper	0.004	0.004	U	mg/L
6/8/2020	MW41S	Iron	0.06	0.06	U	mg/L
6/8/2020	MW41S	Magnesium	116	0.05		mg/L
6/8/2020	MW41S	Manganese	0.14	0.001		mg/L
6/8/2020	MW41S	Nickel	0.004	0.004	U	mg/L
6/8/2020	MW41S	Potassium	10	0.2		mg/L
6/8/2020	MW41S	Selenium	0.01	0.01	U	mg/L
6/8/2020	MW41S	Silver	0.004	0.004	U	mg/L
6/8/2020	MW41S	Sodium	20.8	1		mg/L
6/8/2020	MW41S	Vanadium	0.003	0.003	U	mg/L
6/8/2020	MW41S	Zinc	0.005	0.005	U	mg/L
6/8/2020	MW41S	Antimony	0.006	0.006	U	mg/L
6/8/2020	MW41S	Arsenic	0.001	0.001		mg/L
6/8/2020	MW41S	Lead	0.001	0.001	U	mg/L
6/8/2020	MW41S	Thallium	0.002	0.002	U	mg/L
6/8/2020	MW41S	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	MW41S	Depth to water from land surface	13.33			feet
6/8/2020	MW41S	Depth to Water from Top of Casing	16.03			feet
6/8/2020	MW41S	Dissolved Oxygen, Field	2.85			mg/L
6/8/2020	MW41S	Elevation, Bottom of Well	729.29			famsl
6/8/2020	MW41S	Ferrous Iron	0.03			mg/L
6/8/2020	MW41S	Field EH/ORP	570.1			millivolts
6/8/2020	MW41S	Measuring Point Elevation	757.34			famsl
6/8/2020	MW41S	pH, Field	6.99			SU
6/8/2020	MW41S	Specific Conductance, Field	1922			µmhos/cm
6/8/2020	MW41S	Temperature	55			fahrenheit
6/8/2020	MW41S	Turbidity	0.77			NTU
6/8/2020	MW41S	Water Elevation	741.31			famsl
6/8/2020	MW41S	Total Dissolved Solids	1290	10		mg/L
6/8/2020	MW41S	Total Suspended Solids	4	4	U	mg/L
6/8/2020	MW41S	Sulfide	1000	1000	U	µg/L
6/8/2020	MW41S	Total Organic Carbon	5.4	1		mg/L
6/10/2020	MW51R	Chloride	34.2	1.4		mg/L
6/10/2020	MW51R	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW51R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW51R	Sulfate	4.2	1.7		mg/L
6/10/2020	MW51R	Alkalinity, Total	323	16		mg/L
6/10/2020	MW51R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW51R	Aluminum	0.13	0.06		mg/L
6/10/2020	MW51R	Barium	0.062	0.005	^	mg/L
6/10/2020	MW51R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW51R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW51R	Calcium	45.9	0.1		mg/L
6/10/2020	MW51R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW51R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW51R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW51R	Iron	1.6	0.06		mg/L
6/10/2020	MW51R	Magnesium	38.6	0.05		mg/L
6/10/2020	MW51R	Manganese	0.041	0.001		mg/L
6/10/2020	MW51R	Nickel	0.0053	0.004		mg/L
6/10/2020	MW51R	Potassium	1.2	0.2		mg/L
6/10/2020	MW51R	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW51R	Silver	0.004	0.004	U	mg/L
6/10/2020	MW51R	Sodium	28	1		mg/L
6/10/2020	MW51R	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW51R	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW51R	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW51R	Arsenic	0.0017	0.001		mg/L
6/10/2020	MW51R	Lead	0.001	0.001	U	mg/L
6/10/2020	MW51R	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW51R	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW51R	Depth to water from land surface	11.03			feet
6/10/2020	MW51R	Depth to Water from Top of Casing	12.13			feet
6/10/2020	MW51R	Dissolved Oxygen, Field	0.16			mg/L
6/10/2020	MW51R	Elevation, Bottom of Well	708.8			famsl
6/10/2020	MW51R	Ferrous Iron	1.35			mg/L
6/10/2020	MW51R	Field EH/ORP	-65.4			millivolts
6/10/2020	MW51R	Measuring Point Elevation	746.87			famsl
6/10/2020	MW51R	pH, Field	7.32			SU
6/10/2020	MW51R	Specific Conductance, Field	570			µmhos/cm
6/10/2020	MW51R	Temperature	53.1			fahrenheit
6/10/2020	MW51R	Turbidity	0.66			NTU
6/10/2020	MW51R	Water Elevation	734.74			famsl

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW51R	Total Dissolved Solids	344	10		mg/L
6/10/2020	MW51R	Total Suspended Solids	18	4		mg/L
6/10/2020	MW51R	Sulfide	1000	1000	U	µg/L
6/10/2020	MW51R	Total Organic Carbon	6.9	1		mg/L
6/9/2020	MW55R	Chloride	3.1	1.4		mg/L
6/9/2020	MW55R	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW55R	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW55R	Sulfate	15.6	1.7		mg/L
6/9/2020	MW55R	Alkalinity, Total	278	12		mg/L
6/9/2020	MW55R	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW55R	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW55R	Barium	0.035	0.005	^	mg/L
6/9/2020	MW55R	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW55R	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW55R	Calcium	66.9	0.1		mg/L
6/9/2020	MW55R	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW55R	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW55R	Copper	0.004	0.004	U	mg/L
6/9/2020	MW55R	Iron	0.99	0.06		mg/L
6/9/2020	MW55R	Magnesium	24	0.05		mg/L
6/9/2020	MW55R	Manganese	0.23	0.001		mg/L
6/9/2020	MW55R	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW55R	Potassium	2.1	0.2		mg/L
6/9/2020	MW55R	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW55R	Silver	0.004	0.004	U	mg/L
6/9/2020	MW55R	Sodium	5	1		mg/L
6/9/2020	MW55R	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW55R	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW55R	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW55R	Arsenic	0.0017	0.001		mg/L
6/9/2020	MW55R	Lead	0.001	0.001	U	mg/L
6/9/2020	MW55R	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW55R	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW55R	Depth to water from land surface	6.2			feet
6/9/2020	MW55R	Depth to Water from Top of Casing	7.85			feet
6/9/2020	MW55R	Dissolved Oxygen, Field	0.25			mg/L
6/9/2020	MW55R	Elevation, Bottom of Well	725.24			famsl
6/9/2020	MW55R	Ferrous Iron	0.63			mg/L
6/9/2020	MW55R	Field EH/ORP	-20.8			millivolts
6/9/2020	MW55R	Measuring Point Elevation	748.17			famsl
6/9/2020	MW55R	pH, Field	7.22			SU
6/9/2020	MW55R	Specific Conductance, Field	491			µmhos/cm
6/9/2020	MW55R	Temperature	50.4			fahrenheit
6/9/2020	MW55R	Turbidity	6.5			NTU
6/9/2020	MW55R	Water Elevation	740.32			famsl
6/9/2020	MW55R	Total Dissolved Solids	261	10		mg/L
6/9/2020	MW55R	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW55R	Sulfide	1000	1000	U	µg/L
6/9/2020	MW55R	Total Organic Carbon	3.3	1		mg/L
6/10/2020	MW6S	Chloride	171	2.8		mg/L
6/10/2020	MW6S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW6S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW6S	Sulfate	26.2	3.5		mg/L
6/10/2020	MW6S	Alkalinity, Total	497	20		mg/L
6/10/2020	MW6S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW6S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW6S	Barium	0.16	0.005	^	mg/L
6/10/2020	MW6S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW6S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW6S	Calcium	119	0.1		mg/L
6/10/2020	MW6S	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW6S	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW6S	Copper	0.004	0.004	U	mg/L
6/10/2020	MW6S	Iron	11.5	0.06		mg/L
6/10/2020	MW6S	Magnesium	47.9	0.05		mg/L
6/10/2020	MW6S	Manganese	0.41	0.001		mg/L
6/10/2020	MW6S	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW6S	Potassium	9	0.2		mg/L
6/10/2020	MW6S	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW6S	Silver	0.004	0.004	U	mg/L
6/10/2020	MW6S	Sodium	98.4	1		mg/L
6/10/2020	MW6S	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW6S	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW6S	Antimony	0.006	0.006	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW6S	Arsenic	0.0058	0.001		mg/L
6/10/2020	MW6S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW6S	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW6S	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW6S	Depth to water from land surface	0.01			feet
6/10/2020	MW6S	Depth to Water from Top of Casing	2.41			feet
6/10/2020	MW6S	Dissolved Oxygen, Field	0.44			mg/L
6/10/2020	MW6S	Elevation, Bottom of Well	729.32			famsl
6/10/2020	MW6S	Ferrous Iron	3.3			mg/L
6/10/2020	MW6S	Field EH/ORP	148.7			millivolts
6/10/2020	MW6S	Measuring Point Elevation	743.96			famsl
6/10/2020	MW6S	pH, Field	6.86			SU
6/10/2020	MW6S	Specific Conductance, Field	1464			µmhos/cm
6/10/2020	MW6S	Temperature	64.9			fahrenheit
6/10/2020	MW6S	Turbidity	1.84			NTU
6/10/2020	MW6S	Water Elevation	741.55			famsl
6/10/2020	MW6S	Total Dissolved Solids	699	10		mg/L
6/10/2020	MW6S	Total Suspended Solids	16	4		mg/L
6/10/2020	MW6S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW6S	Total Organic Carbon	5.1	1		mg/L

**Abbreviations:**

µg/L = micrograms per liter  
mg/L = milligrams per liter  
mg/L as N = milligrams per liter as nitrogen  
famsl = feet above mean sea level

SU = Standard Units  
µmhos/cm = microsiemens per centimeter  
EH/ORP = Oxidation Reduction Potential  
NTU = nephelometric turbidity unit

**Notes:**

- 1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field EH/ORP, pH, Specific Conductance, Temperature, Turbidity
- 2) Depth to water from land surface, Depth to Water from Top of Casing, and the associated results for Water Elevation and Bottom of Well Elevation, in this table are from measurements taken at the time of sampling.

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit  
^ = Instrument related Quality Control is outside acceptance limits

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
Date: 7/17/2020  
Date: 7/17/2020

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**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	G111	Alkalinity, Total	734	10		mg/L
6/9/2020	G111	Aluminum	0.086	0.06		mg/L
6/9/2020	G111	Antimony	0.001	0.001	U	mg/L
6/9/2020	G111	Arsenic	0.003	0.003	U	mg/L
6/9/2020	G111	Barium	0.45	0.005	^	mg/L
6/9/2020	G111	Beryllium	0.001	0.001	U	mg/L
6/9/2020	G111	Cadmium	0.001	0.001	U	mg/L
6/9/2020	G111	Calcium	151	0.5		mg/L
6/9/2020	G111	Chloride	320	10		mg/L
6/9/2020	G111	Chromium	0.005	0.005	U	mg/L
6/9/2020	G111	Cobalt	0.05	0.05	U	mg/L
6/9/2020	G111	Copper	0.01	0.01	U	mg/L
6/9/2020	G111	Dissolved Oxygen, Field	1.05			mg/L
6/8/2020	G111	Ferrous Iron	2.7			mg/L
6/9/2020	G111	Field Turbidity	2.5			NTU
6/9/2020	G111	Iron	6.9	0.14		mg/L
6/9/2020	G111	Lead	0.001	0.001	U	mg/L
6/9/2020	G111	Magnesium	99.6	0.2		mg/L
6/9/2020	G111	Manganese	0.031	0.003		mg/L
6/9/2020	G111	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	G111	Nickel	0.01	0.01	U	mg/L
6/8/2020	G111	Nitrate	0.01	0.01	U	mg/L
6/8/2020	G111	Nitrite	0.01	0.01	U	mg/L
6/9/2020	G111	Oxidation Reduction Potential	-102			millivolts
6/9/2020	G111	pH, Field	7.49			SU
6/9/2020	G111	Potassium	8.9	0.5		mg/L
6/9/2020	G111	Selenium	0.015	0.015	U	mg/L
6/9/2020	G111	Silver	0.003	0.003	U	mg/L
6/9/2020	G111	Sodium	182	5		mg/L
6/9/2020	G111	Specific Conductance	2130			µmhos/cm
6/9/2020	G111	Sulfate	26.6	10		mg/L
6/9/2020	G111	Sulfide	1000	1000	U	µg/L
6/9/2020	G111	Temperature	15.21			celsius
6/9/2020	G111	Thallium	0.001	0.001	U	mg/L
6/9/2020	G111	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	G111	Total Dissolved Solids	1250	20		mg/L
6/9/2020	G111	Total Organic Carbon	20.4	1		mg/L
6/9/2020	G111	Total Suspended Solids	9.2	4		mg/L
6/9/2020	G111	Vanadium	0.045	0.045	U	mg/L
6/9/2020	G111	Zinc	0.02	0.02	U	mg/L
6/8/2020	G141	Alkalinity, Total	339	10		mg/L
6/8/2020	G141	Aluminum	0.06	0.06	U	mg/L
6/8/2020	G141	Antimony	0.001	0.001	U	mg/L
6/8/2020	G141	Arsenic	0.003	0.003	U	mg/L
6/8/2020	G141	Barium	0.17	0.005	^	mg/L
6/8/2020	G141	Beryllium	0.001	0.001	U	mg/L
6/8/2020	G141	Cadmium	0.001	0.001	U	mg/L
6/8/2020	G141	Calcium	99.4	0.5		mg/L
6/8/2020	G141	Chloride	182	5		mg/L
6/8/2020	G141	Chromium	0.005	0.005	U	mg/L
6/8/2020	G141	Cobalt	0.05	0.05	U	mg/L
6/8/2020	G141	Copper	0.01	0.01	U	mg/L
6/8/2020	G141	Dissolved Oxygen, Field	3.6			mg/L
6/9/2020	G141	Ferrous Iron	0.86			mg/L
6/8/2020	G141	Field Turbidity	4.7			NTU
6/8/2020	G141	Iron	2.3	0.14		mg/L
6/8/2020	G141	Lead	0.001	0.001	U	mg/L
6/8/2020	G141	Magnesium	61.3	0.2		mg/L
6/8/2020	G141	Manganese	0.028	0.003		mg/L
6/8/2020	G141	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	G141	Nickel	0.01	0.01	U	mg/L
6/8/2020	G141	Nitrate	0.01	0.01	U	mg/L
6/8/2020	G141	Nitrite	0.01	0.01	U	mg/L
6/8/2020	G141	Oxidation Reduction Potential	-54			millivolts
6/8/2020	G141	pH, Field	7.82			SU
6/8/2020	G141	Potassium	2.5	0.5		mg/L
6/8/2020	G141	Selenium	0.015	0.015	U	mg/L
6/8/2020	G141	Silver	0.003	0.003	U	mg/L
6/8/2020	G141	Sodium	30	5		mg/L
6/8/2020	G141	Specific Conductance	834			µmhos/cm
6/8/2020	G141	Sulfate	5.4	5		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G141	Sulfide	1000	1000	U	µg/L
6/8/2020	G141	Temperature	14.86			celsius
6/8/2020	G141	Thallium	0.001	0.001	U	mg/L
6/8/2020	G141	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	G141	Total Dissolved Solids	664	10		mg/L
6/8/2020	G141	Total Organic Carbon	7.3	1		mg/L
6/8/2020	G141	Total Suspended Solids	5.6	4		mg/L
6/8/2020	G141	Vanadium	0.045	0.045	U	mg/L
6/8/2020	G141	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW20S	Alkalinity, Total	348	10		mg/L
6/9/2020	MW20S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW20S	Antimony	0.0027	0.001		mg/L
6/9/2020	MW20S	Arsenic	0.0089	0.003		mg/L
6/9/2020	MW20S	Barium	0.11	0.005	^	mg/L
6/9/2020	MW20S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Calcium	104	0.5		mg/L
6/9/2020	MW20S	Chloride	28.8	2		mg/L
6/9/2020	MW20S	Chromium	8.6	0.005		mg/L
6/9/2020	MW20S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW20S	Copper	0.028	0.01		mg/L
6/9/2020	MW20S	Dissolved Oxygen, Field	4.09			mg/L
6/9/2020	MW20S	Ferrous Iron	> 3.0			mg/L
6/9/2020	MW20S	Field Turbidity	246			NTU
6/9/2020	MW20S	Iron	16.1	0.14		mg/L
6/9/2020	MW20S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW20S	Magnesium	35.7	0.2		mg/L
6/9/2020	MW20S	Manganese	0.43	0.003		mg/L
6/9/2020	MW20S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW20S	Nickel	1.6	0.01		mg/L
6/9/2020	MW20S	Nitrate	1.95	0.1		mg/L
6/9/2020	MW20S	Nitrite	0.01	0.01		mg/L
6/9/2020	MW20S	Oxidation Reduction Potential	-22			millivolts
6/9/2020	MW20S	pH, Field	7.23			SU
6/9/2020	MW20S	Potassium	3.1	0.5		mg/L
6/9/2020	MW20S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW20S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW20S	Sodium	5.6	5		mg/L
6/9/2020	MW20S	Specific Conductance	532			µmhos/cm
6/9/2020	MW20S	Sulfate	17.7	2		mg/L
6/9/2020	MW20S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW20S	Temperature	21.38			celsius
6/9/2020	MW20S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW20S	Total Dissolved Solids	516	10		mg/L
6/9/2020	MW20S	Total Organic Carbon	2.3	1		mg/L
6/9/2020	MW20S	Total Suspended Solids	75.6	4		mg/L
6/9/2020	MW20S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW20S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW21S	Alkalinity, Total	518	10		mg/L
6/9/2020	MW21S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW21S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW21S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW21S	Barium	0.27	0.005	^	mg/L
6/9/2020	MW21S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Calcium	89.6	0.5		mg/L
6/9/2020	MW21S	Chloride	138	5		mg/L
6/9/2020	MW21S	Chromium	0.005	0.005	U	mg/L
6/9/2020	MW21S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW21S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW21S	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	MW21S	Ferrous Iron	0.17			mg/L
6/9/2020	MW21S	Field Turbidity	8.1			NTU
6/9/2020	MW21S	Iron	1.3	0.14		mg/L
6/9/2020	MW21S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW21S	Magnesium	49	0.2		mg/L
6/9/2020	MW21S	Manganese	0.15	0.003		mg/L
6/9/2020	MW21S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW21S	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW21S	Nitrate	0.18	0.1		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW21S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW21S	Oxidation Reduction Potential	-42			millivolts
6/9/2020	MW21S	pH, Field	7.53			SU
6/9/2020	MW21S	Potassium	26.8	0.5		mg/L
6/9/2020	MW21S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW21S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW21S	Sodium	118	5		mg/L
6/9/2020	MW21S	Specific Conductance	981			µmhos/cm
6/9/2020	MW21S	Sulfate	76.3	5		mg/L
6/9/2020	MW21S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW21S	Temperature	16.95			celsius
6/9/2020	MW21S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW21S	Total Dissolved Solids	868	20		mg/L
6/9/2020	MW21S	Total Organic Carbon	9.8	1		mg/L
6/9/2020	MW21S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW21S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW21S	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW22I	Alkalinity, Total	462	10		mg/L
6/10/2020	MW22I	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW22I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW22I	Arsenic	0.0067	0.003		mg/L
6/10/2020	MW22I	Barium	0.25	0.005	^	mg/L
6/10/2020	MW22I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Calcium	89.8	0.5		mg/L
6/10/2020	MW22I	Chloride	16.1	2		mg/L
6/10/2020	MW22I	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW22I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW22I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW22I	Dissolved Oxygen, Field	0.14			mg/L
6/10/2020	MW22I	Ferrous Iron	0.14			mg/L
6/10/2020	MW22I	Field Turbidity	1.2			NTU
6/10/2020	MW22I	Iron	4	0.14		mg/L
6/10/2020	MW22I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW22I	Magnesium	43.1	0.2		mg/L
6/10/2020	MW22I	Manganese	0.41	0.003		mg/L
6/10/2020	MW22I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW22I	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW22I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW22I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW22I	Oxidation Reduction Potential	-79			millivolts
6/10/2020	MW22I	pH, Field	7.41			SU
6/10/2020	MW22I	Potassium	12.3	0.5		mg/L
6/10/2020	MW22I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW22I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW22I	Sodium	28.5	5		mg/L
6/10/2020	MW22I	Specific Conductance	685			µmhos/cm
6/10/2020	MW22I	Sulfate	30.6	2		mg/L
6/10/2020	MW22I	Sulfide	1000	1000	U	µg/L
6/10/2020	MW22I	Temperature	12.75			celsius
6/10/2020	MW22I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW22I	Total Dissolved Solids	515	10		mg/L
6/10/2020	MW22I	Total Organic Carbon	3.9	1		mg/L
6/10/2020	MW22I	Total Suspended Solids	16.4	4		mg/L
6/10/2020	MW22I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW22I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW23I	Alkalinity, Total	572	10		mg/L
6/10/2020	MW23I	Aluminum	0.56	0.06		mg/L
6/10/2020	MW23I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW23I	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW23I	Barium	0.37	0.005	^	mg/L
6/10/2020	MW23I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Calcium	108	0.5		mg/L
6/10/2020	MW23I	Chloride	128	5		mg/L
6/10/2020	MW23I	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW23I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW23I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW23I	Dissolved Oxygen, Field	0.65			mg/L



**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW23I	Ferrous Iron	1.31			mg/L
6/10/2020	MW23I	Field Turbidity	28.9			NTU
6/10/2020	MW23I	Iron	3.2	0.14		mg/L
6/10/2020	MW23I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW23I	Magnesium	65.7	0.2		mg/L
6/10/2020	MW23I	Manganese	0.06	0.003		mg/L
6/10/2020	MW23I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW23I	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW23I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW23I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW23I	Oxidation Reduction Potential	-104			millivolts
6/10/2020	MW23I	pH, Field	7.51			SU
6/10/2020	MW23I	Potassium	14.6	0.5		mg/L
6/10/2020	MW23I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW23I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW23I	Sodium	92.4	5		mg/L
6/10/2020	MW23I	Specific Conductance	1090			µmhos/cm
6/10/2020	MW23I	Sulfate	37.3	5		mg/L
6/10/2020	MW23I	Sulfide	1000	1000	U	µg/L
6/10/2020	MW23I	Temperature	13.46			celsius
6/10/2020	MW23I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW23I	Total Dissolved Solids	642	10		mg/L
6/10/2020	MW23I	Total Organic Carbon	11.7	1		mg/L
6/10/2020	MW23I	Total Suspended Solids	20	4		mg/L
6/10/2020	MW23I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW23I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW24S	Alkalinity, Total	443	10		mg/L
6/10/2020	MW24S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW24S	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW24S	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW24S	Barium	0.072	0.005	^	mg/L
6/10/2020	MW24S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Calcium	110	0.5		mg/L
6/10/2020	MW24S	Chloride	14.8	5		mg/L
6/10/2020	MW24S	Chromium	0.0064	0.005		mg/L
6/10/2020	MW24S	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW24S	Copper	0.01	0.01	U	mg/L
6/10/2020	MW24S	Dissolved Oxygen, Field	7.48			mg/L
6/10/2020	MW24S	Ferrous Iron	0.23			mg/L
6/10/2020	MW24S	Field Turbidity	2.49			NTU
6/10/2020	MW24S	Iron	0.28	0.14		mg/L
6/10/2020	MW24S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW24S	Magnesium	49.8	0.2		mg/L
6/10/2020	MW24S	Manganese	0.023	0.003		mg/L
6/10/2020	MW24S	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW24S	Nickel	0.013	0.01		mg/L
6/10/2020	MW24S	Nitrate	1.8	0.1		mg/L
6/10/2020	MW24S	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW24S	Oxidation Reduction Potential	134			millivolts
6/10/2020	MW24S	pH, Field	7.55			SU
6/10/2020	MW24S	Potassium	2.9	0.5		mg/L
6/10/2020	MW24S	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW24S	Silver	0.003	0.003	U	mg/L
6/10/2020	MW24S	Sodium	27.5	5		mg/L
6/10/2020	MW24S	Specific Conductance	706			µmhos/cm
6/10/2020	MW24S	Sulfate	74.1	5		mg/L
6/10/2020	MW24S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW24S	Temperature	14.05			celsius
6/10/2020	MW24S	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW24S	Total Dissolved Solids	597	10		mg/L
6/10/2020	MW24S	Total Organic Carbon	3.1	1		mg/L
6/10/2020	MW24S	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW24S	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW24S	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW36D	Alkalinity, Total	403	10		mg/L
6/10/2020	MW36D	Aluminum	0.093	0.06		mg/L
6/10/2020	MW36D	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW36D	Arsenic	0.006	0.003		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW36D	Barium	0.14	0.005	^	mg/L
6/10/2020	MW36D	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Calcium	77.9	0.5		mg/L
6/10/2020	MW36D	Chloride	181	5		mg/L
6/10/2020	MW36D	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW36D	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW36D	Copper	0.01	0.01	U	mg/L
6/10/2020	MW36D	Dissolved Oxygen, Field	0			mg/L
6/10/2020	MW36D	Ferrous Iron	0.45			mg/L
6/10/2020	MW36D	Field Turbidity	5.6			NTU
6/10/2020	MW36D	Iron	0.64	0.14		mg/L
6/10/2020	MW36D	Lead	0.001	0.001	U	mg/L
6/10/2020	MW36D	Magnesium	63.1	0.2		mg/L
6/10/2020	MW36D	Manganese	0.55	0.003		mg/L
6/10/2020	MW36D	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW36D	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW36D	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW36D	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW36D	Oxidation Reduction Potential	-30			millivolts
6/10/2020	MW36D	pH, Field	7.54			SU
6/10/2020	MW36D	Potassium	3.8	0.5		mg/L
6/10/2020	MW36D	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW36D	Silver	0.003	0.003	U	mg/L
6/10/2020	MW36D	Sodium	83.9	5		mg/L
6/10/2020	MW36D	Specific Conductance	1030			umhos/cm
6/10/2020	MW36D	Sulfate	5	5	U	mg/L
6/10/2020	MW36D	Sulfide	1000	1000	U	ug/L
6/10/2020	MW36D	Temperature	12.83			celsius
6/10/2020	MW36D	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW36D	Total Dissolved Solids	784	10		mg/L
6/10/2020	MW36D	Total Organic Carbon	9.9	1		mg/L
6/10/2020	MW36D	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW36D	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW36D	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW36I	Alkalinity, Total	598	10		mg/L
6/9/2020	MW36I	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW36I	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW36I	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW36I	Barium	0.33	0.005	^	mg/L
6/9/2020	MW36I	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Calcium	137	0.5		mg/L
6/9/2020	MW36I	Chloride	269	5		mg/L
6/9/2020	MW36I	Chromium	0.016	0.005		mg/L
6/9/2020	MW36I	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW36I	Copper	0.01	0.01	U	mg/L
6/9/2020	MW36I	Dissolved Oxygen, Field	0.67			mg/L
6/9/2020	MW36I	Ferrous Iron	2.62			mg/L
6/9/2020	MW36I	Field Turbidity	21			NTU
6/9/2020	MW36I	Iron	9.1	0.14		mg/L
6/9/2020	MW36I	Lead	0.001	0.001	U	mg/L
6/9/2020	MW36I	Magnesium	89.2	0.2		mg/L
6/9/2020	MW36I	Manganese	0.26	0.003		mg/L
6/9/2020	MW36I	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW36I	Nickel	0.016	0.01		mg/L
6/9/2020	MW36I	Nitrate	0.01	0.01	U	mg/L
6/9/2020	MW36I	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW36I	Oxidation Reduction Potential	-90			millivolts
6/9/2020	MW36I	pH, Field	7.39			SU
6/9/2020	MW36I	Potassium	4.7	0.5		mg/L
6/9/2020	MW36I	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW36I	Silver	0.003	0.003	U	mg/L
6/9/2020	MW36I	Sodium	120	5		mg/L
6/9/2020	MW36I	Specific Conductance	1480			umhos/cm
6/9/2020	MW36I	Sulfate	28.5	5		mg/L
6/9/2020	MW36I	Sulfide	1000	1000	U	ug/L
6/9/2020	MW36I	Temperature	18.84			celsius
6/9/2020	MW36I	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Total Cyanide	0.02	0.02	U	mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW36I	Total Dissolved Solids	1110	20		mg/L
6/9/2020	MW36I	Total Organic Carbon	14.2	1		mg/L
6/9/2020	MW36I	Total Suspended Solids	19.6	4		mg/L
6/9/2020	MW36I	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW36I	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW36S	Alkalinity, Total	504	10		mg/L
6/9/2020	MW36S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW36S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW36S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW36S	Barium	0.08	0.005	^	mg/L
6/9/2020	MW36S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Calcium	121	0.5		mg/L
6/9/2020	MW36S	Chloride	28.5	5		mg/L
6/9/2020	MW36S	Chromium	0.062	0.005		mg/L
6/9/2020	MW36S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW36S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW36S	Dissolved Oxygen, Field	8.59			mg/L
6/9/2020	MW36S	Ferrous Iron	0.31			mg/L
6/9/2020	MW36S	Field Turbidity	24.8			NTU
6/9/2020	MW36S	Iron	0.68	0.14		mg/L
6/9/2020	MW36S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW36S	Magnesium	60.6	0.2		mg/L
6/9/2020	MW36S	Manganese	0.052	0.003		mg/L
6/9/2020	MW36S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW36S	Nickel	0.15	0.01		mg/L
6/9/2020	MW36S	Nitrate	2.87	0.1		mg/L
6/9/2020	MW36S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW36S	Oxidation Reduction Potential	128			millivolts
6/9/2020	MW36S	pH, Field	7.32			SU
6/9/2020	MW36S	Potassium	8.9	0.5		mg/L
6/9/2020	MW36S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW36S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW36S	Sodium	27.2	5		mg/L
6/9/2020	MW36S	Specific Conductance	811			µmhos/cm
6/9/2020	MW36S	Sulfate	73.7	5		mg/L
6/9/2020	MW36S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW36S	Temperature	13.56			celsius
6/9/2020	MW36S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW36S	Total Dissolved Solids	681	10		mg/L
6/9/2020	MW36S	Total Organic Carbon	3	1		mg/L
6/9/2020	MW36S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW36S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW36S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW37S	Alkalinity, Total	423	10		mg/L
6/9/2020	MW37S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW37S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW37S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW37S	Barium	0.069	0.005	^	mg/L
6/9/2020	MW37S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Calcium	105	0.5		mg/L
6/9/2020	MW37S	Chloride	63.8	5		mg/L
6/9/2020	MW37S	Chromium	0.045	0.005		mg/L
6/9/2020	MW37S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW37S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW37S	Dissolved Oxygen, Field	5.17			mg/L
6/9/2020	MW37S	Ferrous Iron	0			mg/L
6/9/2020	MW37S	Field Turbidity	5.9			NTU
6/9/2020	MW37S	Iron	0.14	0.14		mg/L
6/9/2020	MW37S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW37S	Magnesium	47.7	0.2		mg/L
6/9/2020	MW37S	Manganese	0.009	0.003		mg/L
6/9/2020	MW37S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW37S	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW37S	Nitrate	0.84	0.1		mg/L
6/9/2020	MW37S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW37S	Oxidation Reduction Potential	125			millivolts
6/9/2020	MW37S	pH, Field	7.78			SU
6/9/2020	MW37S	Potassium	3.9	0.5		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW37S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW37S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW37S	Sodium	23.2	5		mg/L
6/9/2020	MW37S	Specific Conductance	609			µmhos/cm
6/9/2020	MW37S	Sulfate	17.8	5		mg/L
6/9/2020	MW37S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW37S	Temperature	26.45			celsius
6/9/2020	MW37S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW37S	Total Dissolved Solids	559	10		mg/L
6/9/2020	MW37S	Total Organic Carbon	1.7	1		mg/L
6/9/2020	MW37S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW37S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW37S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW38D	Alkalinity, Total	316	10		mg/L
6/9/2020	MW38D	Aluminum	0.13	0.06		mg/L
6/9/2020	MW38D	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW38D	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW38D	Barium	0.088	0.005	^	mg/L
6/9/2020	MW38D	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Calcium	56.6	0.5		mg/L
6/9/2020	MW38D	Chloride	48.1	2		mg/L
6/9/2020	MW38D	Chromium	0.12	0.005		mg/L
6/9/2020	MW38D	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW38D	Copper	0.01	0.01	U	mg/L
6/9/2020	MW38D	Dissolved Oxygen, Field	0.29			mg/L
6/9/2020	MW38D	Ferrous Iron	0.28			mg/L
6/9/2020	MW38D	Field Turbidity	1.1			NTU
6/9/2020	MW38D	Iron	1.2	0.14		mg/L
6/9/2020	MW38D	Lead	0.001	0.001	U	mg/L
6/9/2020	MW38D	Magnesium	42.3	0.2		mg/L
6/9/2020	MW38D	Manganese	0.2	0.003		mg/L
6/9/2020	MW38D	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW38D	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW38D	Nitrate	0.01	0.01	U	mg/L
6/9/2020	MW38D	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW38D	Oxidation Reduction Potential	-44			millivolts
6/9/2020	MW38D	pH, Field	7.67			SU
6/9/2020	MW38D	Potassium	2.1	0.5		mg/L
6/9/2020	MW38D	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW38D	Silver	0.003	0.003	U	mg/L
6/9/2020	MW38D	Sodium	26.6	5		mg/L
6/9/2020	MW38D	Specific Conductance	449			µmhos/cm
6/9/2020	MW38D	Sulfate	7.4	2		mg/L
6/9/2020	MW38D	Sulfide	1000	1000	U	µg/L
6/9/2020	MW38D	Temperature	21.32			celsius
6/9/2020	MW38D	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW38D	Total Dissolved Solids	428	10		mg/L
6/9/2020	MW38D	Total Organic Carbon	3.4	1		mg/L
6/9/2020	MW38D	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW38D	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW38D	Zinc	0.02	0.02	U	mg/L
6/8/2020	MW38I	Alkalinity, Total	325	10		mg/L
6/8/2020	MW38I	Aluminum	0.2	0.06		mg/L
6/8/2020	MW38I	Antimony	0.001	0.001	U	mg/L
6/8/2020	MW38I	Arsenic	0.003	0.003	U	mg/L
6/8/2020	MW38I	Barium	0.11	0.005	^	mg/L
6/8/2020	MW38I	Beryllium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Cadmium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Calcium	81.4	0.5		mg/L
6/8/2020	MW38I	Chloride	23.9	2		mg/L
6/8/2020	MW38I	Chromium	0.005	0.005	U	mg/L
6/8/2020	MW38I	Cobalt	0.05	0.05	U	mg/L
6/8/2020	MW38I	Copper	0.01	0.01	U	mg/L
6/8/2020	MW38I	Dissolved Oxygen, Field	0.52			mg/L
6/8/2020	MW38I	Ferrous Iron	0.44			mg/L
6/8/2020	MW38I	Field Turbidity	6.2			NTU
6/8/2020	MW38I	Iron	1.3	0.14		mg/L
6/8/2020	MW38I	Lead	0.001	0.001	U	mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	MW38I	Magnesium	38.9	0.2		mg/L
6/8/2020	MW38I	Manganese	0.021	0.003		mg/L
6/8/2020	MW38I	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	MW38I	Nickel	0.01	0.01	U	mg/L
6/8/2020	MW38I	Nitrate	0.01	0.01	U	mg/L
6/8/2020	MW38I	Nitrite	0.01	0.01	U	mg/L
6/8/2020	MW38I	Oxidation Reduction Potential	-92			millivolts
6/8/2020	MW38I	pH, Field	7.85			SU
6/8/2020	MW38I	Potassium	1.5	0.5		mg/L
6/8/2020	MW38I	Selenium	0.015	0.015	U	mg/L
6/8/2020	MW38I	Silver	0.003	0.003	U	mg/L
6/8/2020	MW38I	Sodium	12.8	5		mg/L
6/8/2020	MW38I	Specific Conductance	521			µmhos/cm
6/8/2020	MW38I	Sulfate	31.8	2		mg/L
6/8/2020	MW38I	Sulfide	1000	1000	U	µg/L
6/8/2020	MW38I	Temperature	13.8			celsius
6/8/2020	MW38I	Thallium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	MW38I	Total Dissolved Solids	469	10		mg/L
6/8/2020	MW38I	Total Organic Carbon	1.3	1		mg/L
6/8/2020	MW38I	Total Suspended Solids	4	4	U	mg/L
6/8/2020	MW38I	Vanadium	0.045	0.045	U	mg/L
6/8/2020	MW38I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9D	Alkalinity, Total	331	10		mg/L
6/10/2020	MW9D	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW9D	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9D	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9D	Barium	0.18	0.005	^	mg/L
6/10/2020	MW9D	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Calcium	105	0.5		mg/L
6/10/2020	MW9D	Chloride	139	5		mg/L
6/10/2020	MW9D	Chromium	0.0058	0.005		mg/L
6/10/2020	MW9D	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9D	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9D	Dissolved Oxygen, Field	0.58			mg/L
6/10/2020	MW9D	Ferrous Iron	0.61			mg/L
6/10/2020	MW9D	Field Turbidity	5.4			NTU
6/10/2020	MW9D	Iron	1.6	0.14		mg/L
6/10/2020	MW9D	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9D	Magnesium	50.2	0.2		mg/L
6/10/2020	MW9D	Manganese	0.05	0.003		mg/L
6/10/2020	MW9D	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9D	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW9D	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW9D	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9D	Oxidation Reduction Potential	-108			millivolts
6/10/2020	MW9D	pH, Field	7.82			SU
6/10/2020	MW9D	Potassium	2.5	0.5		mg/L
6/10/2020	MW9D	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9D	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9D	Sodium	89.5	5		mg/L
6/10/2020	MW9D	Specific Conductance	973			µmhos/cm
6/10/2020	MW9D	Sulfate	136	5		mg/L
6/10/2020	MW9D	Sulfide	1000	1000	U	µg/L
6/10/2020	MW9D	Temperature	11.67			celsius
6/10/2020	MW9D	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9D	Total Dissolved Solids	765	10		mg/L
6/10/2020	MW9D	Total Organic Carbon	2.8	1		mg/L
6/10/2020	MW9D	Total Suspended Solids	11.2	4		mg/L
6/10/2020	MW9D	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9D	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9I	Alkalinity, Total	439	10		mg/L
6/10/2020	MW9I	Aluminum	0.078	0.06		mg/L
6/10/2020	MW9I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9I	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9I	Barium	0.088	0.005	^	mg/L
6/10/2020	MW9I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Calcium	111	0.5		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW9I	Chloride	67.3	5		mg/L
6/10/2020	MW9I	Chromium	0.21	0.005		mg/L
6/10/2020	MW9I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9I	Dissolved Oxygen, Field	0			mg/L
6/10/2020	MW9I	Ferrous Iron	0.13			mg/L
6/10/2020	MW9I	Field Turbidity	5			NTU
6/10/2020	MW9I	Iron	0.49	0.14		mg/L
6/10/2020	MW9I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9I	Magnesium	53	0.2		mg/L
6/10/2020	MW9I	Manganese	0.14	0.003		mg/L
6/10/2020	MW9I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9I	Nickel	0.017	0.01		mg/L
6/10/2020	MW9I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW9I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9I	Oxidation Reduction Potential	21			millivolts
6/10/2020	MW9I	pH, Field	7.38			SU
6/10/2020	MW9I	Potassium	3	0.5		mg/L
6/10/2020	MW9I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9I	Sodium	73.4	5		mg/L
6/10/2020	MW9I	Specific Conductance	895			umhos/cm
6/10/2020	MW9I	Sulfate	122	5		mg/L
6/10/2020	MW9I	Sulfide	1000	1000	U	ug/L
6/10/2020	MW9I	Temperature	12.09			celsius
6/10/2020	MW9I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9I	Total Dissolved Solids	730	10		mg/L
6/10/2020	MW9I	Total Organic Carbon	3.1	1		mg/L
6/10/2020	MW9I	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW9I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9S	Alkalinity, Total	393	10		mg/L
6/10/2020	MW9S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW9S	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9S	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9S	Barium	0.066	0.005	^	mg/L
6/10/2020	MW9S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Calcium	97.1	0.5		mg/L
6/10/2020	MW9S	Chloride	36.6	2		mg/L
6/10/2020	MW9S	Chromium	0.097	0.005		mg/L
6/10/2020	MW9S	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9S	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9S	Dissolved Oxygen, Field	7.34			mg/L
6/10/2020	MW9S	Ferrous Iron	0.51			mg/L
6/10/2020	MW9S	Field Turbidity	7.7			NTU
6/10/2020	MW9S	Iron	0.57	0.14		mg/L
6/10/2020	MW9S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9S	Magnesium	44.5	0.2		mg/L
6/10/2020	MW9S	Manganese	0.0033	0.003		mg/L
6/10/2020	MW9S	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9S	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW9S	Nitrate	0.46	0.1		mg/L



**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW9S	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9S	Oxidation Reduction Potential	111			millivolts
6/10/2020	MW9S	pH, Field	7.51			SU
6/10/2020	MW9S	Potassium	1.8	0.5		mg/L
6/10/2020	MW9S	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9S	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9S	Sodium	19.3	5		mg/L
6/10/2020	MW9S	Specific Conductance	613			µmhos/cm
6/10/2020	MW9S	Sulfate	47.7	2		mg/L
6/10/2020	MW9S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW9S	Temperature	15.31			celsius
6/10/2020	MW9S	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9S	Total Dissolved Solids	508	10		mg/L
6/10/2020	MW9S	Total Organic Carbon	2.7	1		mg/L
6/10/2020	MW9S	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW9S	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9S	Zinc	0.02	0.02	U	mg/L

**Abbreviations:**

µg/L = micrograms per liter

mg/L = milligrams per liter

mg/L as N = milligrams per liter as nitrogen

> = greater than

SU = Standard Units

µmhos/cm = microsiemens per centimeter

NTU = nephelometric turbidity unit

**Notes:**

1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field Turbidity, Oxidation Reduction Potential, pH, Specific Conductance, and Temperature.

2) Results for nitrate and nitrite were input to this table by SCS from laboratory reports by First Environmental Laboratories, Inc. Other data is from the electronic data deliverable (EDD) from TestAmerica.

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit

^ = Instrument related Quality Control is outside acceptance limits

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Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
Date: 7/17/2020  
Date: 7/17/2020

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**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW07	Chloride	763	5.6		mg/L
6/8/2020	PW07	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW07	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW07	Sulfate	7	7	U	mg/L
6/8/2020	PW07	Alkalinity, Total	1270	52		mg/L
6/8/2020	PW07	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW07	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW07	Barium	0.17	0.005	^	mg/L
6/8/2020	PW07	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW07	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW07	Calcium	23.7	0.1		mg/L
6/8/2020	PW07	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW07	Cobalt	0.0052	0.003		mg/L
6/8/2020	PW07	Copper	0.015	0.004		mg/L
6/8/2020	PW07	Iron	1.4	0.06		mg/L
6/8/2020	PW07	Magnesium	18.5	0.05		mg/L
6/8/2020	PW07	Manganese	0.0079	0.001		mg/L
6/8/2020	PW07	Nickel	0.058	0.004		mg/L
6/8/2020	PW07	Potassium	22.1	0.2		mg/L
6/8/2020	PW07	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW07	Silver	0.004	0.004	U	mg/L
6/8/2020	PW07	Sodium	837	1.6		mg/L
6/8/2020	PW07	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW07	Zinc	0.025	0.005		mg/L
6/8/2020	PW07	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW07	Arsenic	0.0074	0.001		mg/L
6/8/2020	PW07	Lead	0.001	0.001	U	mg/L
6/8/2020	PW07	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW07	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW07	Dissolved Oxygen, Field	3.72			mg/L
6/8/2020	PW07	Ferrous Iron	0.16			mg/L
6/8/2020	PW07	Field EH/ORP	123.3			millivolts
6/8/2020	PW07	pH, Field	7.29			SU
6/8/2020	PW07	Specific Conductance, Field	4199			µmhos/cm
6/8/2020	PW07	Temperature	77.9			fahrenheit
6/8/2020	PW07	Turbidity	1.97			NTU
6/8/2020	PW07	Total Dissolved Solids	1940	10		mg/L
6/8/2020	PW07	Total Suspended Solids	7.6	4		mg/L
6/8/2020	PW07	Sulfide	1000	1000	U	µg/L
6/8/2020	PW07	Total Organic Carbon	63.5	1		mg/L
6/8/2020	PW09	Chloride	106	1.4		mg/L
6/8/2020	PW09	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW09	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW09	Sulfate	20.9	1.7		mg/L
6/8/2020	PW09	Alkalinity, Total	427	20		mg/L
6/8/2020	PW09	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW09	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW09	Barium	0.15	0.005	^	mg/L
6/8/2020	PW09	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW09	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW09	Calcium	83.9	0.1		mg/L
6/8/2020	PW09	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW09	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW09	Copper	0.0078	0.004		mg/L
6/8/2020	PW09	Iron	0.61	0.06		mg/L
6/8/2020	PW09	Magnesium	64.6	0.05		mg/L
6/8/2020	PW09	Manganese	0.0073	0.001		mg/L
6/8/2020	PW09	Nickel	0.0046	0.004		mg/L
6/8/2020	PW09	Potassium	2.4	0.2		mg/L
6/8/2020	PW09	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW09	Silver	0.004	0.004	U	mg/L
6/8/2020	PW09	Sodium	35.6	1		mg/L
6/8/2020	PW09	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW09	Zinc	0.14	0.005		mg/L
6/8/2020	PW09	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW09	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW09	Lead	0.0014	0.001		mg/L

**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW09	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW09	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW09	Dissolved Oxygen, Field	8.18			mg/L
6/8/2020	PW09	Ferrous Iron	0.02			mg/L
6/8/2020	PW09	Field EH/ORP	-85.6			millivolts
6/8/2020	PW09	pH, Field	7.78			SU
6/8/2020	PW09	Specific Conductance, Field	1035			µmhos/cm
6/8/2020	PW09	Temperature	64.3			fahrenheit
6/8/2020	PW09	Turbidity	5.61			NTU
6/8/2020	PW09	Total Dissolved Solids	569	10		mg/L
6/8/2020	PW09	Total Suspended Solids	4.4	4		mg/L
6/8/2020	PW09	Sulfide	1000	1000	U	µg/L
6/8/2020	PW09	Total Organic Carbon	4.2	1		mg/L
6/8/2020	PW22	Chloride	135	1.4		mg/L
6/8/2020	PW22	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW22	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW22	Sulfate	10.5	1.7		mg/L
6/8/2020	PW22	Alkalinity, Total	476	20		mg/L
6/8/2020	PW22	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW22	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW22	Barium	0.27	0.005	^	mg/L
6/8/2020	PW22	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW22	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW22	Calcium	87.3	0.1		mg/L
6/8/2020	PW22	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW22	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW22	Copper	0.021	0.004		mg/L
6/8/2020	PW22	Iron	0.72	0.06		mg/L
6/8/2020	PW22	Magnesium	66	0.05		mg/L
6/8/2020	PW22	Manganese	0.01	0.001		mg/L
6/8/2020	PW22	Nickel	0.004	0.004	U	mg/L
6/8/2020	PW22	Potassium	7.1	0.2		mg/L
6/8/2020	PW22	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW22	Silver	0.004	0.004	U	mg/L
6/8/2020	PW22	Sodium	63.1	1		mg/L
6/8/2020	PW22	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW22	Zinc	0.013	0.005		mg/L
6/8/2020	PW22	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW22	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW22	Lead	0.001	0.001		mg/L
6/8/2020	PW22	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW22	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW22	Dissolved Oxygen, Field	1.86			mg/L
6/8/2020	PW22	Ferrous Iron	0.61			mg/L
6/8/2020	PW22	Field EH/ORP	-85.3			millivolts
6/8/2020	PW22	pH, Field	7.23			SU
6/8/2020	PW22	Specific Conductance, Field	1284			µmhos/cm
6/8/2020	PW22	Temperature	66.7			fahrenheit
6/8/2020	PW22	Turbidity	0.37			NTU
6/8/2020	PW22	Total Dissolved Solids	614	10		mg/L
6/8/2020	PW22	Total Suspended Solids	4	4	U	mg/L
6/8/2020	PW22	Sulfide	1000	1000	U	µg/L
6/8/2020	PW22	Total Organic Carbon	7.9	1		mg/L
6/8/2020	PW23	Chloride	268	2.8		mg/L
6/8/2020	PW23	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW23	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW23	Sulfate	12.4	3.5		mg/L
6/8/2020	PW23	Alkalinity, Total	637	28		mg/L
6/8/2020	PW23	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW23	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW23	Barium	0.35	0.005	^	mg/L
6/8/2020	PW23	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW23	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW23	Calcium	111	0.1		mg/L
6/8/2020	PW23	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW23	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW23	Copper	0.013	0.004		mg/L

**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW23	Iron	2.2	0.06		mg/L
6/8/2020	PW23	Magnesium	95.2	0.05		mg/L
6/8/2020	PW23	Manganese	0.02	0.001		mg/L
6/8/2020	PW23	Nickel	0.018	0.004		mg/L
6/8/2020	PW23	Potassium	5.5	0.2		mg/L
6/8/2020	PW23	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW23	Silver	0.004	0.004	U	mg/L
6/8/2020	PW23	Sodium	119	1		mg/L
6/8/2020	PW23	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW23	Zinc	0.011	0.005		mg/L
6/8/2020	PW23	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW23	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW23	Lead	0.001	0.001	U	mg/L
6/8/2020	PW23	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW23	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW23	Dissolved Oxygen, Field	2.62			mg/L
6/8/2020	PW23	Ferrous Iron	1.83			mg/L
6/8/2020	PW23	Field EH/ORP	173.9			millivolts
6/8/2020	PW23	pH, Field	7.17			SU
6/8/2020	PW23	Specific Conductance, Field	1822			µmhos/cm
6/8/2020	PW23	Temperature	78.4			fahrenheit
6/8/2020	PW23	Turbidity	4.61			NTU
6/8/2020	PW23	Total Dissolved Solids	1070	10		mg/L
6/8/2020	PW23	Total Suspended Solids	4.8	4		mg/L
6/8/2020	PW23	Sulfide	1000	1000	U	µg/L
6/8/2020	PW23	Total Organic Carbon	19.5	1		mg/L

**Abbreviations:**

µg/L = micrograms per liter

mg/L = milligrams per liter

ntu = nephelometric turbidity unit

SU = Standard Units

µmhos/cm = microsiemens per centimeter

EH/ORP = Oxidation Reduction Potential

**Notes:**

1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field EH/ORP, pH, Specific Conductance, Temperature, Turbidity

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit

^ = Instrument related QC is outside acceptance limits

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 Last revision by: ZTW  
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**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SC5 Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Alkalinity, Total	577	10		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Antimony	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Arsenic	0.003	0.003	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Barium	0.29	0.005	A	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Calcium	95.6	0.5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Chloride	134	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Chromium	0.005	0.005	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Cobalt	0.05	0.05	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Copper	0.01	0.01	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Field Turbidity	8.1			NTU
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Iron	2.2	0.14		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Magnesium	53.6	0.2		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Manganese	0.15	0.003		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nickel	0.01	0.01	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Oxidation Reduction Potential	-42			millivolts
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	pH, Field	7.53			SU
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Potassium	29.4	0.5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Selenium	0.015	0.015	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Silver	0.003	0.003	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sodium	122	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Specific Conductance	981			µmhos/cm
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sulfate	76.8	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Temperature	16.95			celsius
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Thallium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Dissolved Solids	972	20		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Organic Carbon	9.7	1		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Suspended Solids	5.6	4		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Vanadium	0.045	0.045	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Zinc	0.02	0.02	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Alkalinity, Total	323	10		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Aluminum	0.06	0.06	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Antimony	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Arsenic	0.003	0.003	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Barium	0.1	0.005	A	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Beryllium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Cadmium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Calcium	76.6	0.5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Chloride	24.3	2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Chromium	0.005	0.005	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Cobalt	0.05	0.05	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Copper	0.01	0.01	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Dissolved Oxygen, Field	0.52			mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Field Turbidity	6.2			NTU
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Iron	1	0.14		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Lead	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Magnesium	38.6	0.2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Manganese	0.018	0.003		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nickel	0.01	0.01	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Oxidation Reduction Potential	-92			millivolts
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	pH, Field	7.85			SU
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Potassium	1.4	0.5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Selenium	0.015	0.015	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Silver	0.003	0.003	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sodium	12.8	5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Specific Conductance	521			µmhos/cm
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sulfate	31.7	2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Temperature	13.8			celsius

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Thallium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Dissolved Solids	400	10		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Organic Carbon	1.4	1		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Suspended Solids	9.2	4		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Vanadium	0.045	0.045	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Zinc	0.02	0.02	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Alkalinity, Total	374	16		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Aluminum	0.65	0.06		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Barium	0.058	0.005	A	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Calcium	98.8	0.1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Chloride	8.5	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Chromium	0.0082	0.003		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Iron	0.97	0.06		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Magnesium	50	0.05		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Manganese	0.083	0.001		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nickel	0.0046	0.004		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Potassium	1.4	0.2		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sodium	103	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sulfate	79.5	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Dissolved Solids	464	10		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Organic Carbon	1.1	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Zinc	0.0064	0.005		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Alkalinity, Total	279	16		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Arsenic	0.0018	0.001		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Barium	0.036	0.005	A	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Calcium	67.8	0.1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Chloride	3.3	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Iron	1	0.06		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Magnesium	24.7	0.05		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Manganese	0.24	0.001		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Potassium	2.2	0.2		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sodium	5.2	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sulfate	16.4	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Dissolved Solids	252	10		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Organic Carbon	3.3	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Suspended Solids	4.4	4		mg/L



**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Zinc	0.0053	0.005		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Alkalinity, Total	267	12		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Barium	0.056	0.005	^	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Calcium	131	0.1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Chloride	15.9	2.8		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Magnesium	47.5	0.05		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nitrate	13.3	0.05		mg/L AS N
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Potassium	3.3	0.2		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sodium	13.1	1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sulfate	238	3.5		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Dissolved Solids	699	10		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Organic Carbon	2.3	1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Alkalinity, Total	10	10	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Chloride	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Sulfate	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Dissolved Solids	10	10	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Organic Carbon	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Alkalinity, Total	10	10	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Chloride	3.5	1		mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Sulfate	1.4	1		mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Total Dissolved Solids	10	10	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Total Organic Carbon	1	1	U	mg/L
6/8/2020	Field Blank (MW38I)	FB01	Elgin Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Chloride	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sodium	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Organic Carbon	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Chloride	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sodium	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Organic Carbon	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Chloride	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Silver	0.004	0.004	U	mg/L

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sodium	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Organic Carbon	2.9	1		mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Alkalinity, Total	130	16	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Aluminum	98	0.06		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Arsenic	102	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Barium	105	0.005	^	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Beryllium	106	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Cadmium	102	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Calcium	65	0.1	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Chloride	94	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Chromium	104	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Cobalt	96	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Copper	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Iron	96	0.06		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Lead	100	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Magnesium	82	0.05	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Manganese	97	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Mercury	104	0.0002		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Nickel	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Potassium	104	0.2		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Selenium	105	0.01		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Silver	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sodium	92	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sulfate	94	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Thallium	104	0.002		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Total Cyanide	91	0.02		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Total Organic Carbon	116	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Vanadium	96	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Zinc	97	0.005		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Alkalinity, Total	35	12	4	%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Aluminum	88	0.06		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Arsenic	99	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Barium	102	0.005	^	%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Beryllium	106	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Cadmium	100	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Calcium	101	0.1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Chloride	100	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Chromium	93	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Cobalt	95	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Copper	98	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Iron	97	0.06		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Lead	101	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Magnesium	110	0.05		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Manganese	105	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Mercury	102	0.0002		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Nickel	99	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Potassium	100	0.2		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Selenium	102	0.01		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Silver	98	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sodium	99	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sulfate	98	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sulfide	104	1000		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Thallium	99	0.002		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Total Cyanide	94	0.02		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Total Organic Carbon	117	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Vanadium	95	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Zinc	101	0.005		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Alkalinity, Total	19	10	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Aluminum	103	0.06		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Antimony	112	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Arsenic	105	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Barium	94	0.005	^	%

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Beryllium	101	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Cadmium	104	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Calcium	64	0.5	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Chloride	100	10		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Chromium	102	0.005		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Cobalt	98	0.05		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Copper	99	0.01		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Iron	102	0.14		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Lead	109	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Magnesium	75	0.2	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Manganese	97	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Mercury	102	0.0004		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Nickel	99	0.01		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Potassium	100	0.5		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Selenium	104	0.015		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Silver	99	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sodium	35	5	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sulfate	100	10		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Thallium	99	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Total Cyanide	93	0.02		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Total Organic Carbon	112	1		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Vanadium	103	0.045		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Zinc	101	0.02		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Alkalinity, Total	111	16	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Aluminum	98	0.06		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Arsenic	101	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Barium	105	0.005	^	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Beryllium	107	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Cadmium	103	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Calcium	74	0.1	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Chloride	94	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Chromium	105	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Cobalt	97	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Copper	99	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Iron	97	0.06		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Lead	101	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Magnesium	86	0.05	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Manganese	98	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Mercury	105	0.0002		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Nickel	99	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Potassium	104	0.2		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Selenium	105	0.01		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Silver	100	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sodium	94	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sulfate	93	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Thallium	104	0.002		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Total Cyanide	92	0.02		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Total Organic Carbon	113	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Vanadium	97	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Zinc	98	0.005		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Alkalinity, Total	46	12	4	%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Aluminum	98	0.06		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Arsenic	102	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Barium	114	0.005	^	%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Beryllium	104	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Cadmium	99	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Calcium	90	0.1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Chloride	101	1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Chromium	91	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Cobalt	94	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Copper	96	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Iron	96	0.06		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Lead	103	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Magnesium	104	0.05		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Manganese	104	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Mercury	106	0.0002		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Nickel	97	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Potassium	112	0.2		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Selenium	100	0.01		%

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Silver	96	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Sodium	106	1		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Sulfate	100	1		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Sulfide	104	1000		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Thallium	105	0.002		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Total Cyanide	97	0.02		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Total Organic Carbon	116	1		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Vanadium	93	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW2IR	Tri-County Landfill	Zinc	98	0.005		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Alkalinity, Total	21	10	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Aluminum	104	0.06		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Antimony	113	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Arsenic	106	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Barium	93	0.005	A	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Beryllium	97	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Cadmium	104	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Calcium	74	0.5	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Chloride	100	10		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Chromium	118	0.005		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Cobalt	98	0.05		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Copper	99	0.01		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Iron	106	0.14		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Lead	108	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Magnesium	77	0.2	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Manganese	100	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Mercury	101	0.0004		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Nickel	99	0.01		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Polassium	101	0.5		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Selenium	103	0.015		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Silver	99	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sodium	49	5	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sulfate	101	10		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sulfide	122	1000		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Thallium	96	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Total Cyanide	96	0.02		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Total Organic Carbon	111	1		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Vanadium	103	0.045		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Zinc	101	0.02		%

**Abbreviations:**

µg/L = micrograms per liter  
mg/L = milligrams per liter  
famsl = feet above mean sea level

SU = Standard Units  
% = Percent  
DUP = Duplicate Sample

mg/L as N = milligrams per liter as nitrogen  
NTU = nephelometric turbidity units  
µmhos/cm = micromhos per centimeter

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit  
A = Instrument related Quality Control is outside acceptance limits

4 = Matrix Spike, Matrix Spike Duplicate: The analyte present in the original sample is greater than 4 times the matrix spike concentration, therefore, the control limits are not applicable

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
Date: 7/17/2020  
Date: 7/17/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Appendices\Appendix E - Groundwater Data\Appendix E4 - Quality Control Sample Results.xlsx|Sheet1

## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

**Job ID: 480-170920-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

### Narrative

#### Job Narrative 480-170920-1

#### Comments

The following analysis was subcontracted to Environmental Monitoring and Technologie: Nitrate and Nitrite SUBC, Ion Chromatography. Please refer to the subcontract data section of this report.  
No additional comments.

#### Receipt

The samples were received on 6/9/2020 10:00 AM, 6/10/2020 10:00 AM and 6/11/2020 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 8 coolers at receipt time were 1.8° C, 1.8° C, 1.9° C, 2.0° C, 2.2° C, 2.2° C, 2.3° C and 2.5° C.

#### HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: G112 (480-170920-2), G142 (480-170920-3), MW41S (480-170920-4), PW07 (480-170920-5), PW09 (480-170920-6), PW22 (480-170920-7) and PW23 (480-170920-8). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: PW07 (480-170920-5) and PW09 (480-170920-6). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12IR (480-171065-9) and MW2SR (480-171065-13). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW12SR (480-171065-10), MW25S (480-171065-11) and MW39S (480-171065-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW13IR (480-170983-2), MW1S (480-170983-6), MW38S (480-170983-7), DUP1 (480-171065-1), DUP2 (480-171065-2), G135 (480-171065-5) and MW10S (480-171065-8). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1DR (480-170983-3), MW111 (480-170983-4), MW112 (480-170983-5), MW39I (480-170983-8), DUP3 (480-171065-3) and MW06I (480-171065-6). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: MW13IR (480-170983-2), MW112 (480-170983-5) and MW38S (480-170983-7). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW40DR (480-171065-15), MW5IR (480-171065-16) and MW5SR (480-171065-17). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW6S (480-171065-18). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was diluted due to the nature of the sample matrix: MW39S (480-171065-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following sample do not concur with results previously reported for this site: MW39S (480-171065-14). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following sample was diluted due to the nature of the sample matrix: MW5IR (480-171065-16). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: MW40DR (480-171065-15) and MW5IR (480-171065-16). Reanalysis was performed, and the result(s) confirmed.



## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

### Job ID: 480-170920-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

##### Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. DUP1 (480-171065-1), DUP2 (480-171065-2), DUP3 (480-171065-3), FIELD BLANK03 (480-171065-4), MW06I (480-171065-6), MW10I (480-171065-7), MW10S (480-171065-8), MW12IR (480-171065-9), MW12SR (480-171065-10), MW2IR (480-171065-12), MW2IR (480-171065-12[MS]), MW2IR (480-171065-12[MSD]), MW2SR (480-171065-13), MW39S (480-171065-14), MW40DR (480-171065-15), MW5IR (480-171065-16), MW5SR (480-171065-17), MW6S (480-171065-18), (LCS 480-536223/2-A), (MB 480-536223/1-A), (480-171065-C-12-D PDS) and (480-171065-C-12-D SD ^5)

Method 6010C: The Total Iron result reported for the following sample did not concur with results previously reported for this site: MW12SR (480-171065-10). Reanalysis was performed, and the result confirmed.

Method 6010C: The Total Manganese result reported for the following sample did not concur with results previously reported for this site: MW5IR (480-171065-16). Reanalysis was performed, and the result confirmed.

Method 6010C: The Total Chromium, Nickel, Vanadium, and Zinc results reported for the following sample do not concur with results previously reported for this site: MW10I (480-171065-7). Reanalysis was performed, and the results confirmed.

Method 6010C: The Total Chromium and Nickel results reported for the following sample did not concur with results previously reported for this site: MW12IR (480-171065-9). Reanalysis was performed, and the result confirmed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. FIELD BLANK01 (480-170920-1), G142 (480-170920-3), MW41S (480-170920-4), PW07 (480-170920-5), PW09 (480-170920-6), PW22 (480-170920-7), PW23 (480-170920-8), (LCS 480-535705/2-A), (LCSD 480-535705/25-A) and (MB 480-535705/1-A)

Method 6010C: The Total Manganese results reported for the following sample do not concur with results previously reported for this site: G142 (480-170920-3). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Aluminum and Iron results reported for the following sample do not concur with results previously reported for this site: MW41S (480-170920-4). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Nickel, Copper, and Zinc results reported for the following sample do not concur with results previously reported for this site: PW22 (480-170920-7). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Aluminum and Chromium results reported for the following sample do not concur with results previously reported for this site: MW39S (480-171065-14). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. FIELD BLANK02 (480-170983-1), MW13IR (480-170983-2), MW13IR (480-170983-2[MS]), MW13IR (480-170983-2[MSD]), MW38S (480-170983-7), MW39I (480-170983-8), (LCS 480-535857/2-A), (MB 480-535857/1-A), (480-170983-C-2-A PDS) and (480-170983-C-2-A SD ^5)

Method 6010C: The continuing calibration blank (CCB 480-537025/18) for analytical batch 480-537025 contained Total Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples FIELD BLANK02 (480-170983-1), (LCS 480-535857/2-A) and (MB 480-535857/1-A) was not performed.

## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

### Job ID: 480-170920-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The continuing calibration blank (CCB 480-537025/27) for analytical batch 480-537025 contained Total Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples FIELD BLANK02 (480-170983-1), MW38S (480-170983-7), MW39I (480-170983-8), (LCS 480-535857/2-A) and (MB 480-535857/1-A) was not performed.

Method 6010C: The recovery of Post Spike, (480-170983-C-2-A PDS), in batch 480-537025 exhibited results outside the quality control limits for Total Calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method 6010C: The Total Potassium and Sodium results reported for the following sample do not concur with results previously reported for this site: MW13IR (480-170983-2). Reanalysis was performed, and the result(s) confirmed.

Method 6020A: The Total Arsenic results reported for the following sample do not concur with results previously reported for this site: G142 (480-170920-3). Reanalysis was performed, and the result(s) confirmed.

Method 6020A: The Total Arsenic results reported for the following samples do not concur with results previously reported for this site: MW38S (480-170983-7) and MW39I (480-170983-8). Reanalysis was performed, and the result(s) confirmed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: G112 (480-170920-2), G142 (480-170920-3) and PW07 (480-170920-5). The reporting limits (RLs) have been adjusted proportionately.

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: MW40DR (480-171065-15). The reporting limits (RLs) have been adjusted proportionately.

Method 310.2: The results reported for the following sample do not concur with results previously reported for this site: MW41S (480-170920-4). Reanalysis was performed, and the result(s) confirmed.

Method SM 5310C: The reference method requires samples to be preserved to a pH below two. The following sample was received with insufficient preservation at a pH above two: MW11I (480-170983-4). The sample(s) was preserved to the appropriate pH in the laboratory prior to analysis.

Method SM 5310C: The results reported for the following samples do not concur with results previously reported for this site: MW1S (480-170983-6) and FIELD BLANK03 (480-171065-4). Reanalysis was performed, and the result(s) confirmed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0399**

The samples were received on 06/08/20 14:40. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	0.4

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0433**

The samples were received on 06/09/20 13:28. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	5.6

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0484**

The samples were received on 06/10/20 15:15. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	1.8

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

## Case Narrative

Client: Republic Services Inc  
Project/Site: Elgin Landfill - Annual

Job ID: 480-171155-1

**Job ID: 480-171155-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

### Narrative

#### Job Narrative 480-171155-1

### Comments

No additional comments.

### Receipt

The samples were received on 6/12/2020 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.8° C, 3.0° C, 3.2° C, 3.5° C and 3.7° C.

### HPLC/IC

Method 300.0: The following samples were diluted due to the nature of the sample matrix: EL-GMMW38I-01 (480-171155-1), EL-GMMW38I-91 (480-171155-2), EL-GMMW22I-01 (480-171155-3), EL-GMMW9S-01 (480-171155-7), EL-GMMW20S-01 (480-171155-13) and EL-GMMW24S-01 (480-171155-15). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: EL-GMMW23I-01 (480-171155-4), EL-GMMW9D-01 (480-171155-5), EL-GMMW9I-01 (480-171155-6), EL-GMMW21S-91 (480-171155-10), EL-GWG141-01 (480-171155-12) and EL-GMMW21S-01 (480-171155-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: EL-GWG111-01 (480-171155-11), EL-GMMW36D-01 (480-171155-16) and EL-GMMW36I-01 (480-171155-17). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: EL-GMMW36S-01 (480-171155-18), EL-GMMW37S-01 (480-171155-19) and EL-GMMW38D-01 (480-171155-20). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Metals

Method 3005A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GMMW9I-01 (480-171155-6) and EL-GMMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved 6/17/20 1110 second check 6/18/20 1115

Method 3020A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GMMW9I-01 (480-171155-6) and EL-GMMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved 6/17/20 1110 second check 6/18/20 1115

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. EL-GMMW9I-01 (480-171155-6), EL-GMMW9S-01 (480-171155-7), (LCS 480-536966/2-A) and (MB 480-536966/1-A)

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. EL-GMMW38I-01 (480-171155-1), EL-GMMW38I-91 (480-171155-2), EL-GMMW22I-01 (480-171155-3), EL-GMMW23I-01 (480-171155-4), EL-GMMW9D-01 (480-171155-5), EL-GMMW21S-91 (480-171155-10), EL-GWG111-01 (480-171155-11), EL-GWG111-01 (480-171155-11[MS]), EL-GWG111-01 (480-171155-11[MSD]), EL-GWG141-01 (480-171155-12), EL-GMMW20S-01 (480-171155-13), EL-GMMW21S-01 (480-171155-14), EL-GMMW24S-01 (480-171155-15), EL-GMMW36D-01 (480-171155-16), EL-GMMW36I-01 (480-171155-17), EL-GMMW36S-01 (480-171155-18), EL-GMMW37S-01 (480-171155-19), EL-GMMW38D-01 (480-171155-20), (LCS 480-536658/2-A), (MB 480-536658/1-A), (480-171155-C-11-G PDS) and (480-171155-C-11-G SD ^5)

Method 6010C: The recovery of Post Spike, (480-171155-C-11-G PDS), in batch 480-537253 exhibited results outside the quality control limits for Total Magnesium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.



## Case Narrative

Client: Republic Services Inc  
Project/Site: Elgin Landfill - Annual

Job ID: 480-171155-1

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### Job ID: 480-171155-1 (Continued)

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#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 7470A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GWMW9I-01 (480-171155-6) and EL-GWMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. preserved 6/17/20 at 1110 2nd check 6/18/20 at 1115 pH < 2 BB

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: EL-GWMW21S-91 (480-171155-10), EL-GWG111-01 (480-171155-11), EL-GWMW21S-01 (480-171155-14) and EL-GWMW36I-01 (480-171155-17). The reporting limits (RLs) have been adjusted proportionately.

Method 335.4: The continuing calibration blank (CCB) for preparation batch 480-536125/26 contained Cyanide, Total above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 335.4: The continuing calibration blank (CCB) for preparation batch 480-536125/30 contained Cyanide, Total above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



**First  
Environmental  
Laboratories, Inc.**

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

IL ELAP / NELAC Accreditation # 100292

**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3117**

Project ID: **Elgin PO# 302-281**

Date Received: **June 10, 2020**

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.	L	LCS recovery outside control limits.
B	Analyte was found in the method blank.	M	MS recovery outside control limits; LCS acceptable.
<	Analyte not detected at or above the reporting limit.	P	Chemical preservation pH adjusted in lab.
C	Sample received in an improper container for this test.	Q	Result was determined by a GC/MS database search.
D	Surrogates diluted out; recovery not available.	S	Analysis was subcontracted to another laboratory.
E	Estimated result; concentration exceeds calibration range.	T	Result is less than three times the MDL value.
G	Surrogate recovery outside control limits.	W	Reporting limit elevated due to sample matrix.
H	Analysis or extraction holding time exceeded.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
J	Estimated result; concentration is less than routine RL but greater than MDL.	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)		



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**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3089**

Project ID: **Elgin 302-281**

Date Received: **June 09, 2020**

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.
II	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.



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**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3151**

Project ID: **Elgin 302-261**

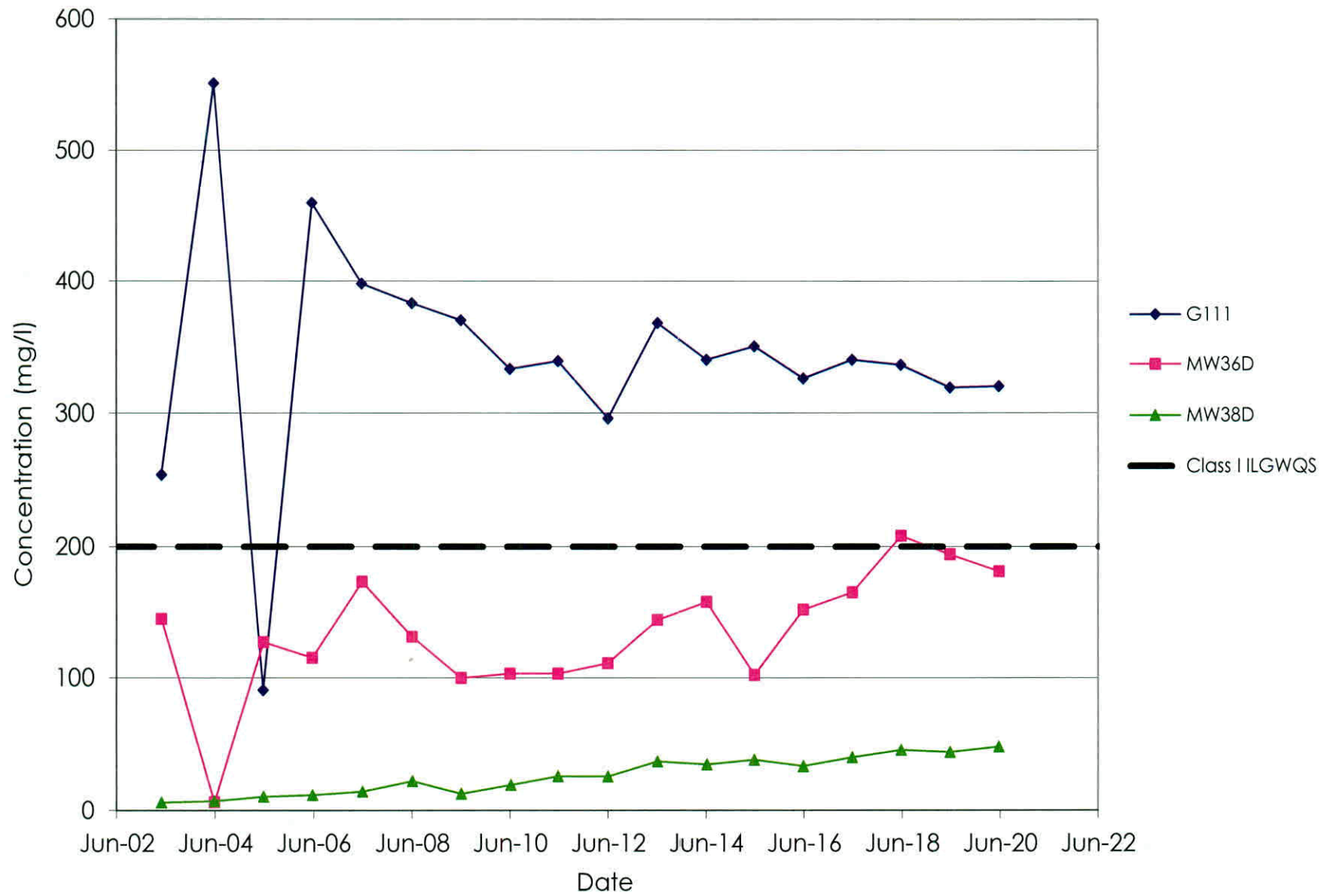
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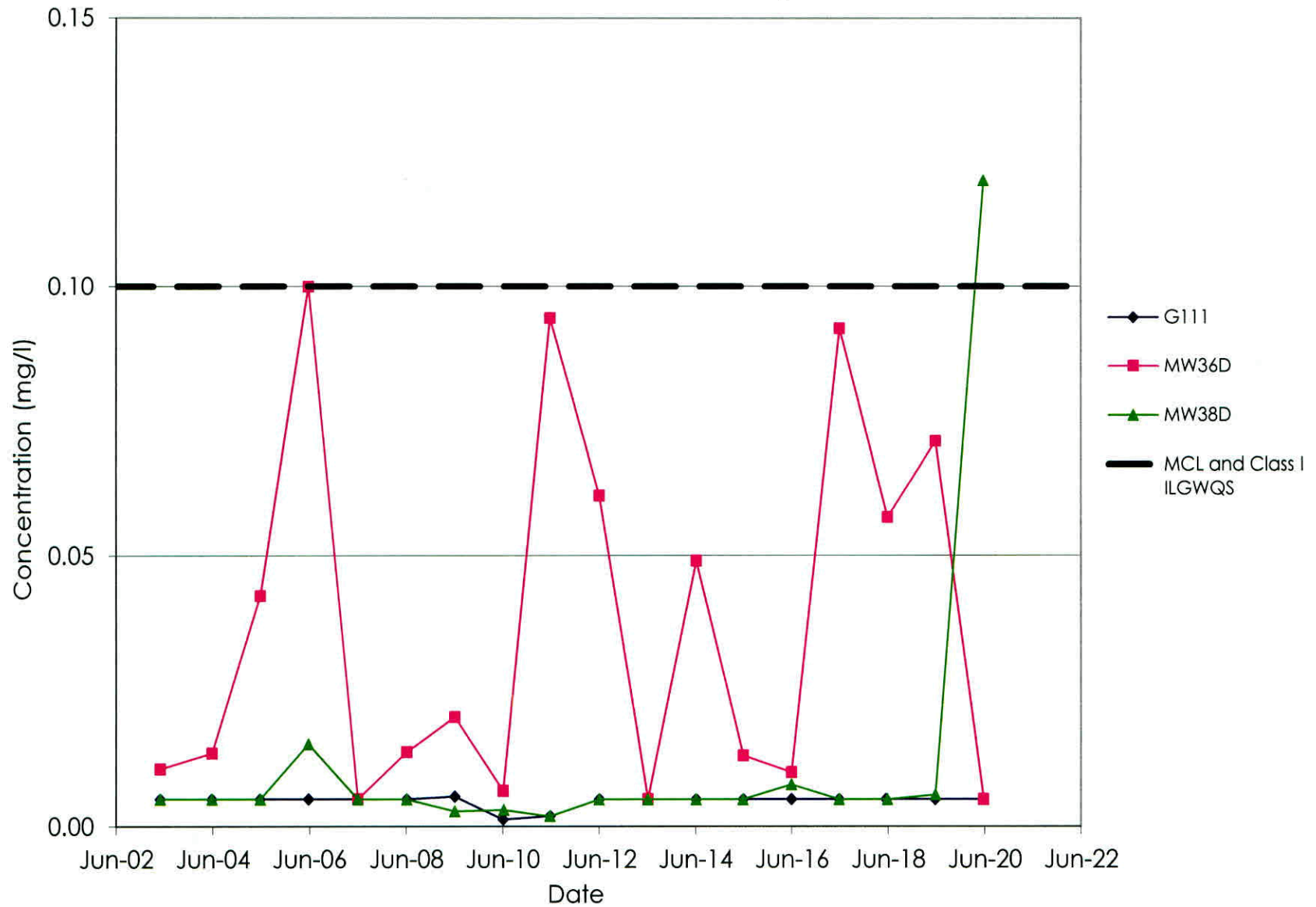
The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.	L	LCS recovery outside control limits.
B	Analyte was found in the method blank.	M	MS recovery outside control limits; LCS acceptable.
<	Analyte not detected at or above the reporting limit.	P	Chemical preservation pH adjusted in lab.
C	Sample received in an improper container for this test.	Q	Result was determined by a GC/MS database search.
D	Surrogates diluted out; recovery not available.	S	Analysis was subcontracted to another laboratory.
E	Estimated result; concentration exceeds calibration range.	T	Result is less than three times the MDL value.
G	Surrogate recovery outside control limits.	W	Reporting limit elevated due to sample matrix.
H	Analysis or extraction holding time exceeded.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
J	Estimated result; concentration is less than routine RL but greater than MDL.	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)		

# Elgin Landfill Chloride in Deep Wells

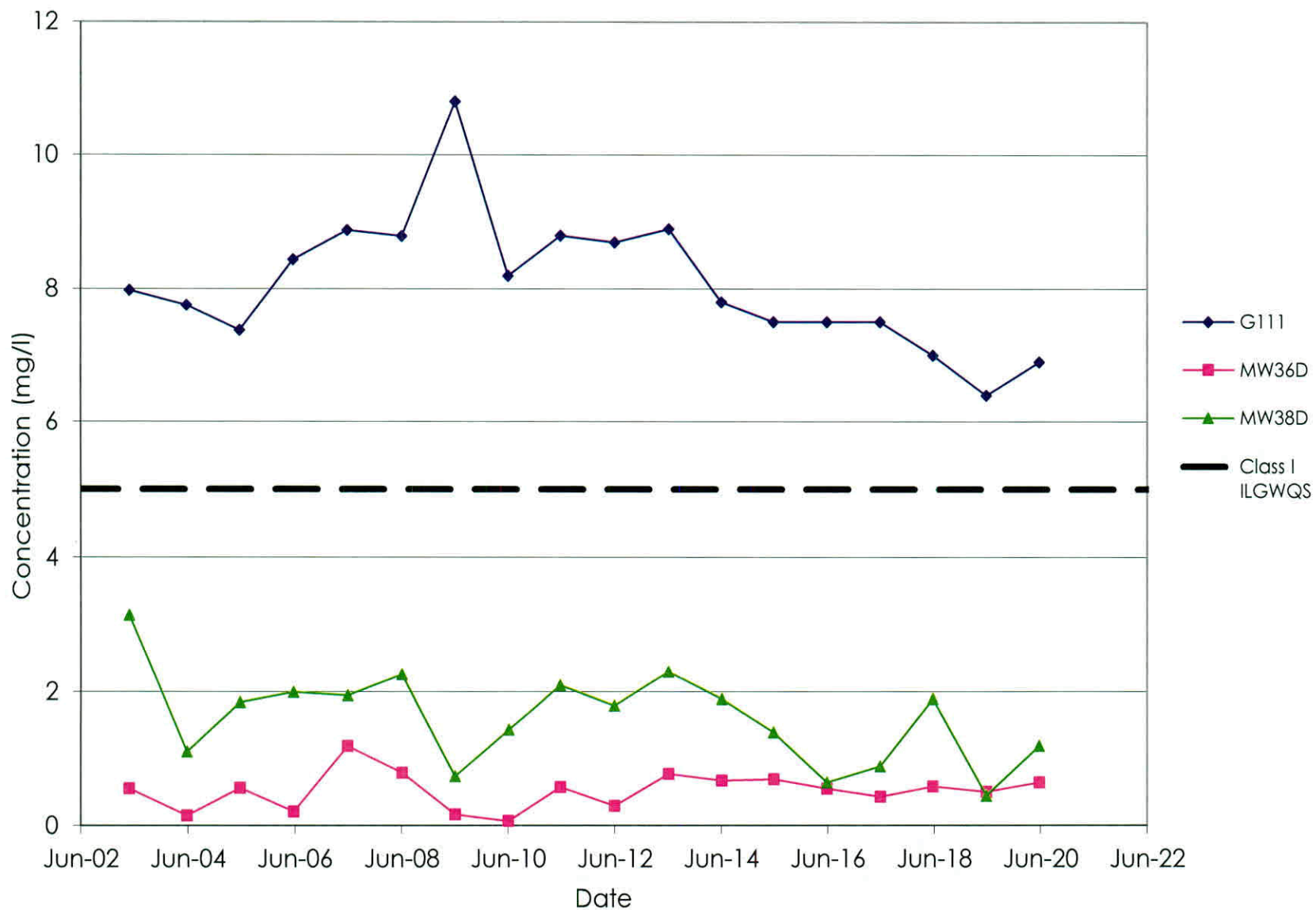


# Elgin Landfill Total Chromium in Deep Wells



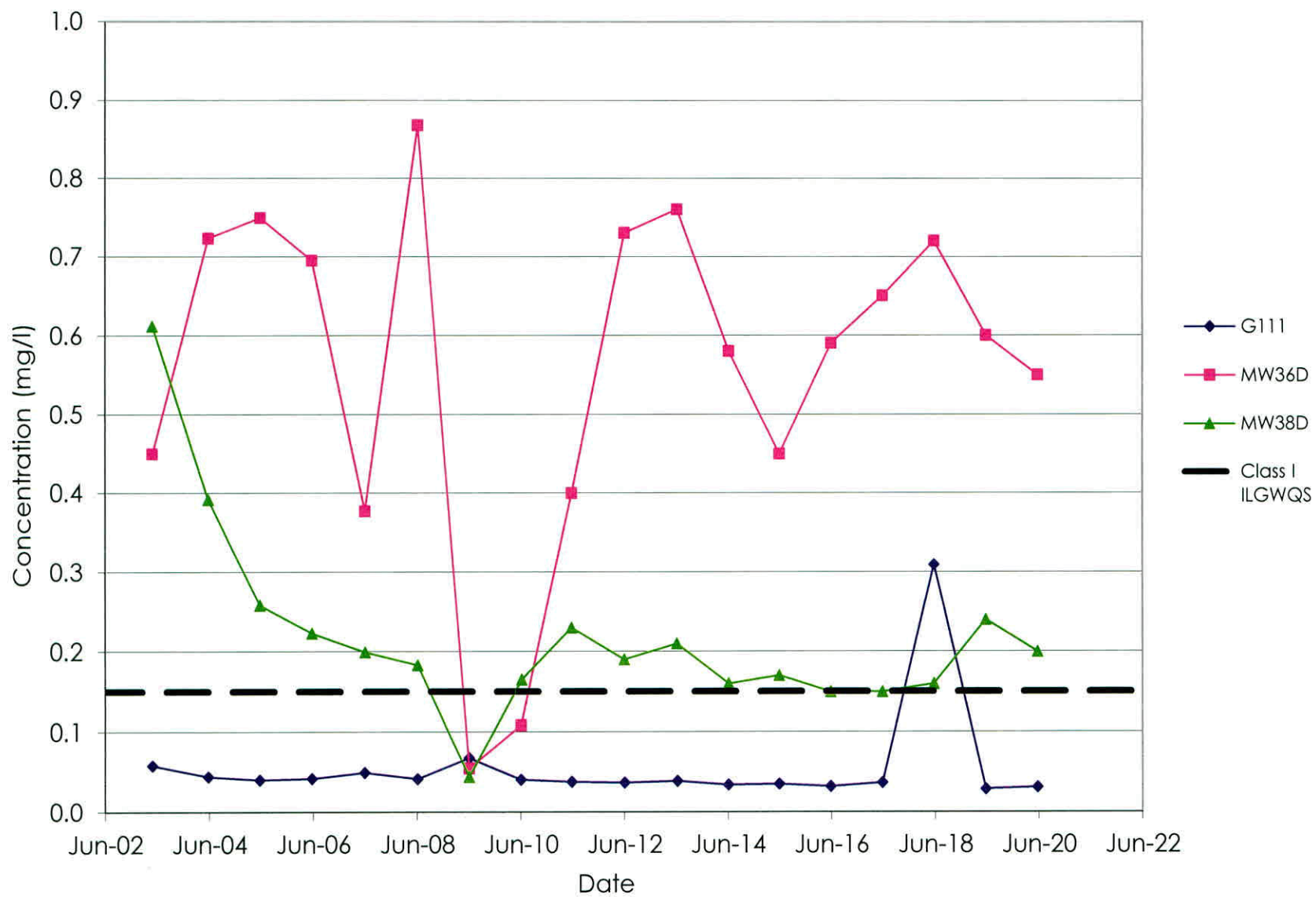


# Elgin Landfill Total Iron in Deep Wells



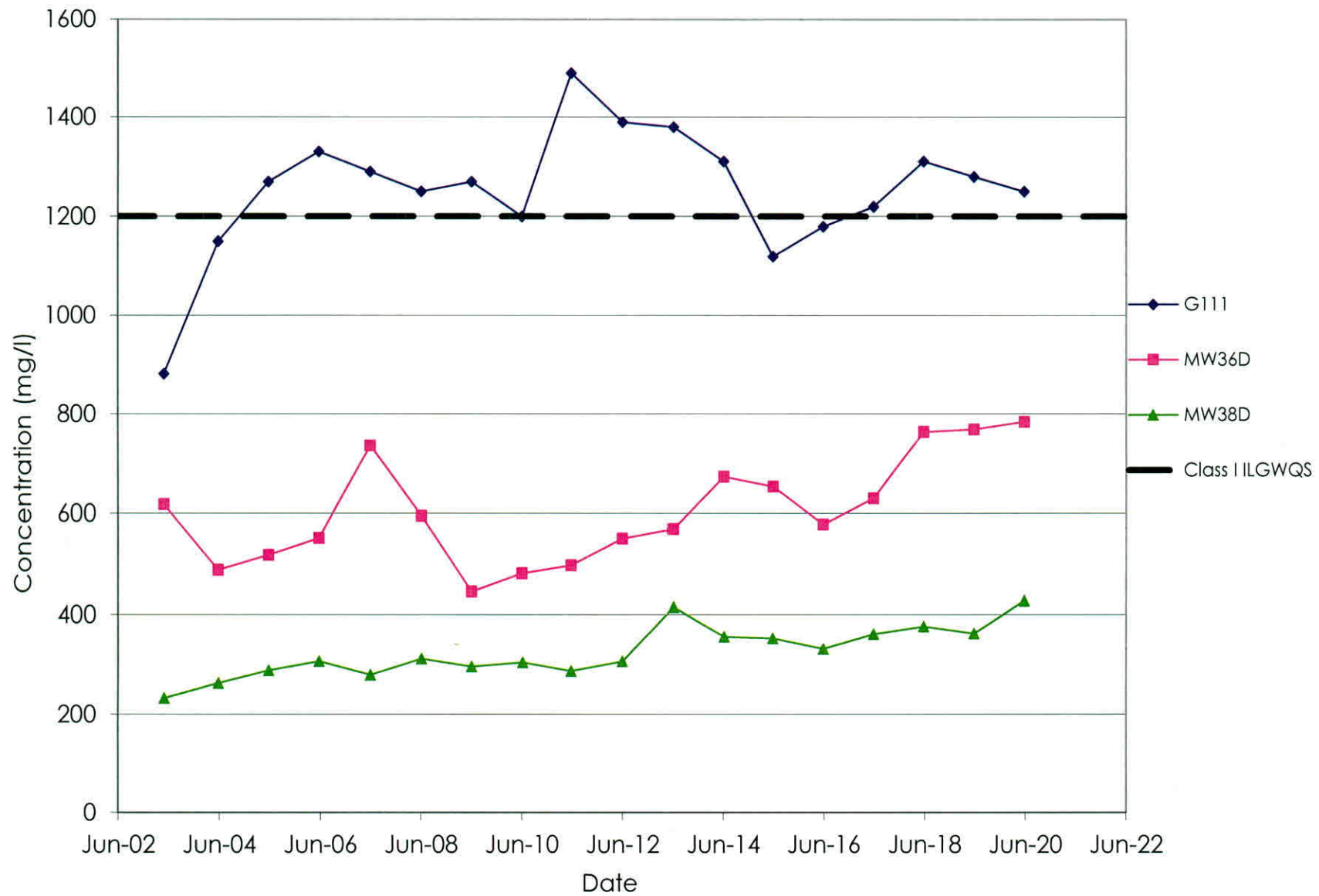
# Elgin Landfill

## Total Manganese in Deep Wells

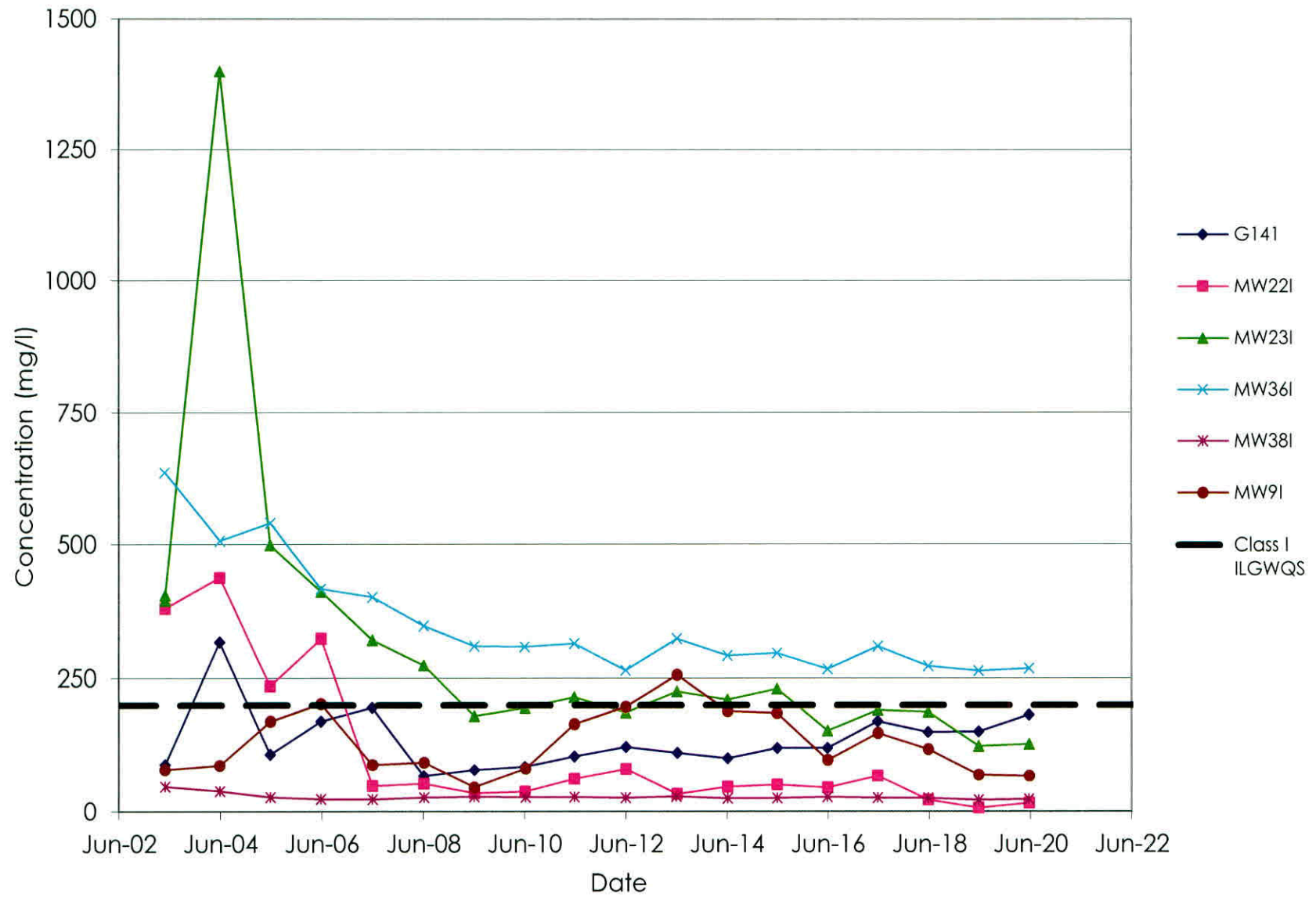


# Elgin Landfill

## Total Dissolved Solids in Deep Wells

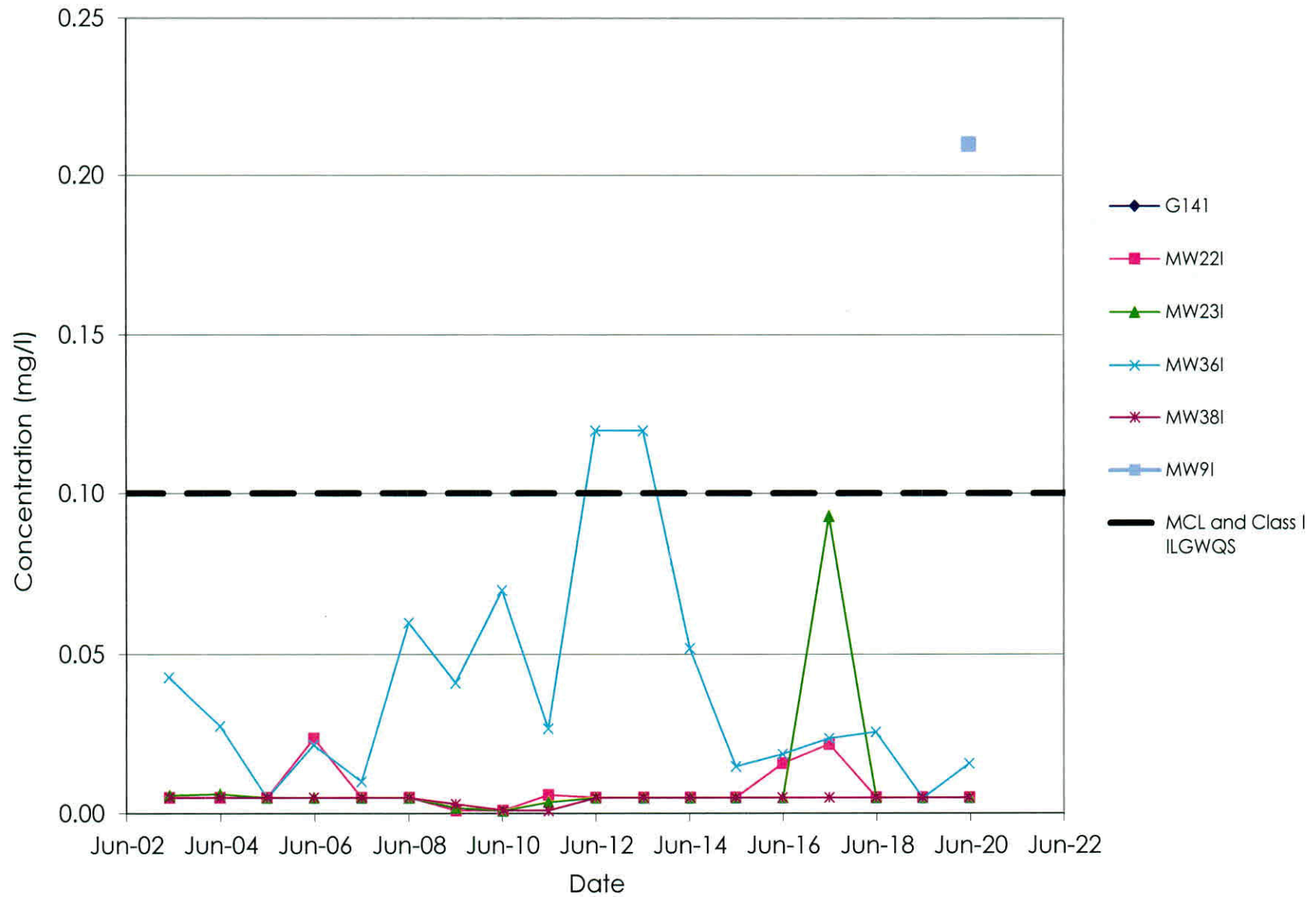


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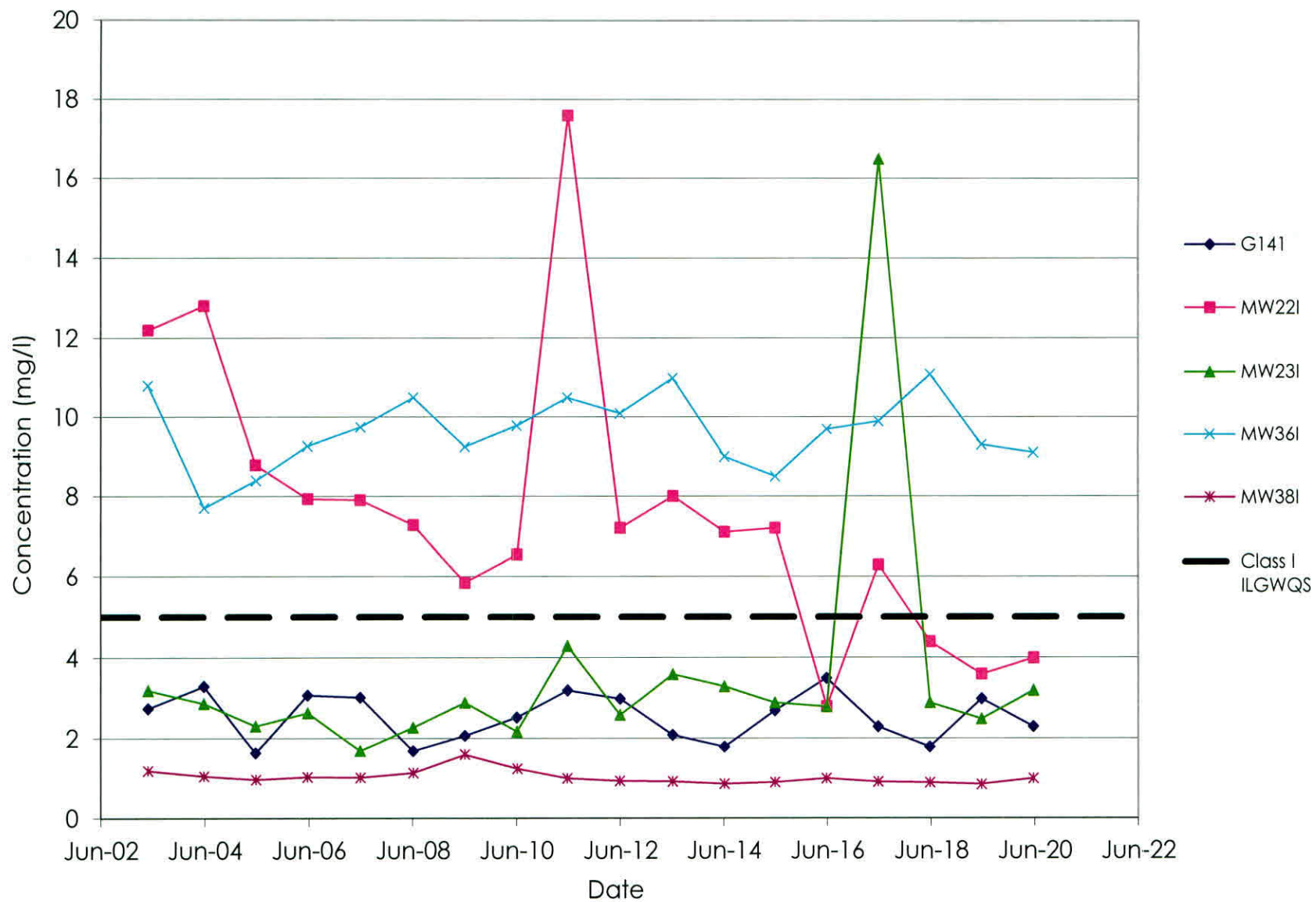
# Elgin Landfill

## Total Chromium in Intermediate Wells



# Elgin Landfill

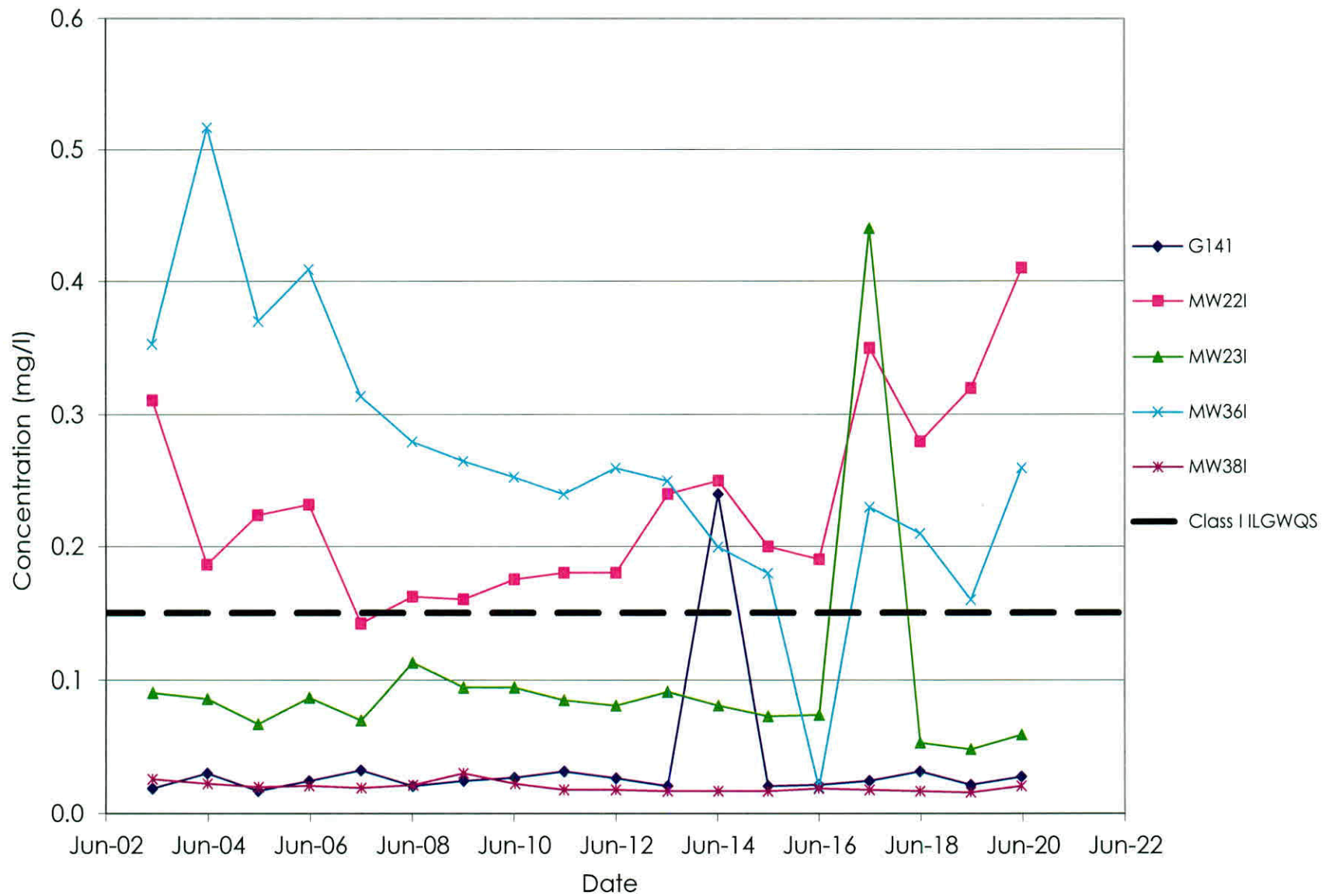
## Total Iron in Intermediate Wells



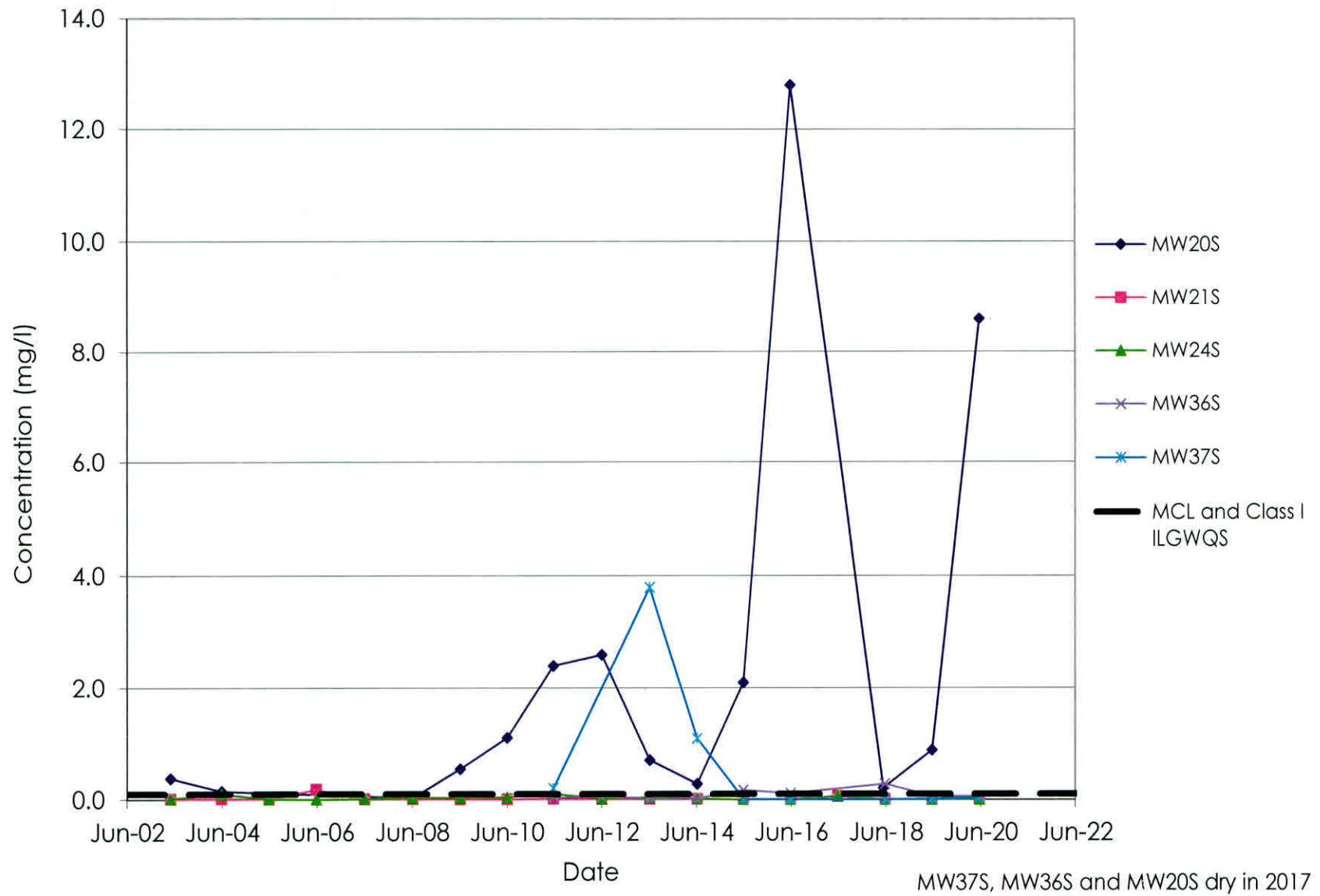


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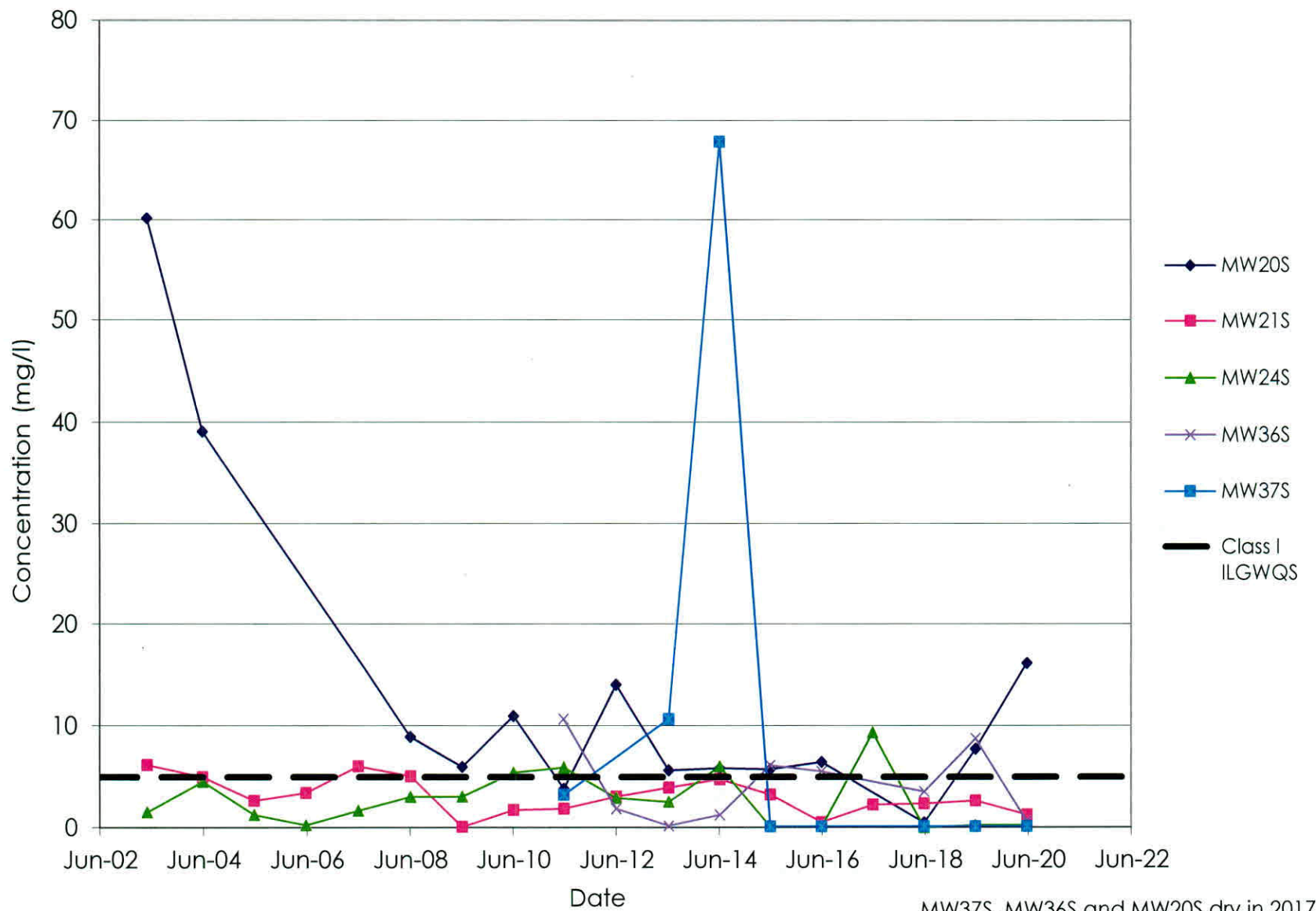
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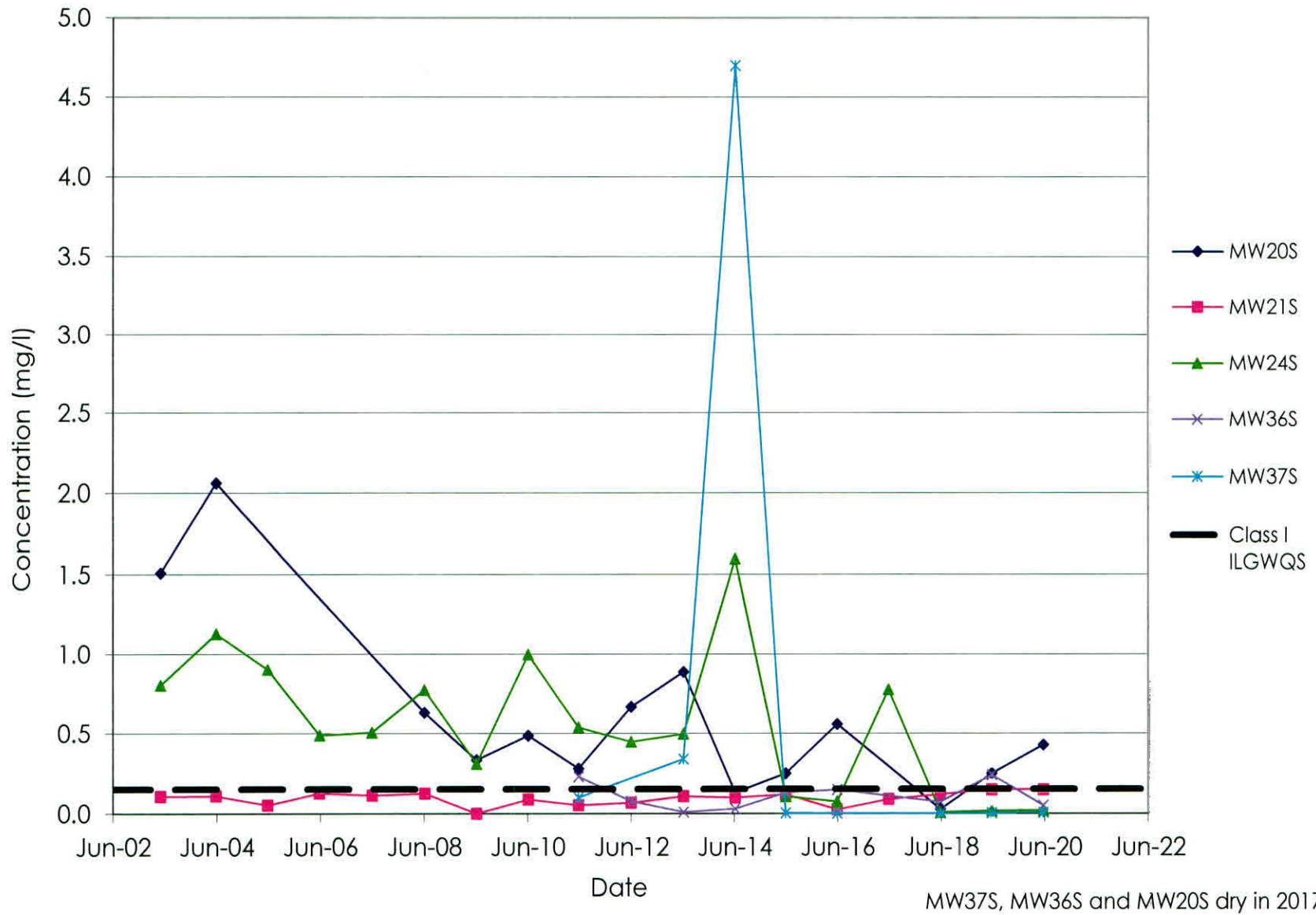
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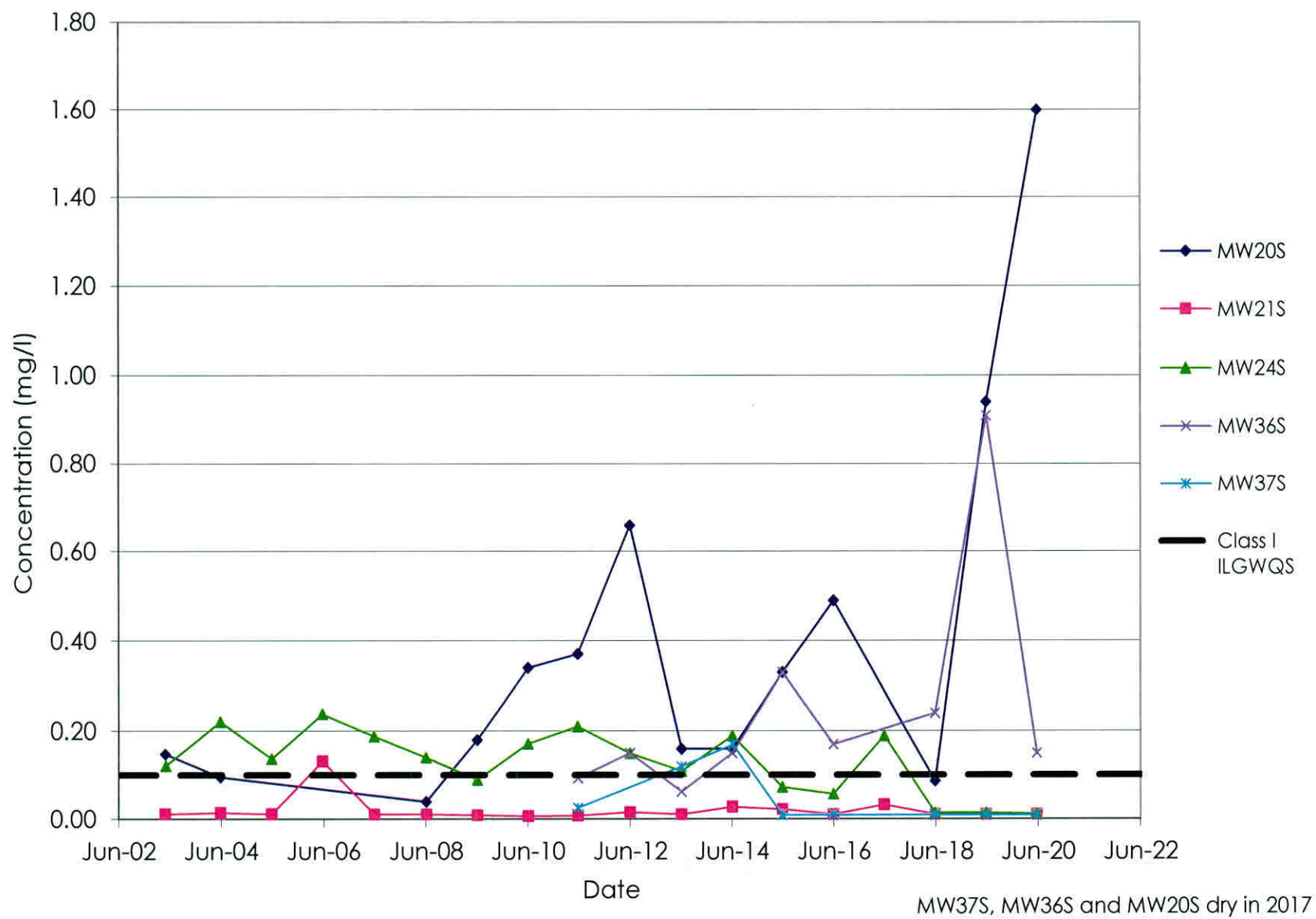
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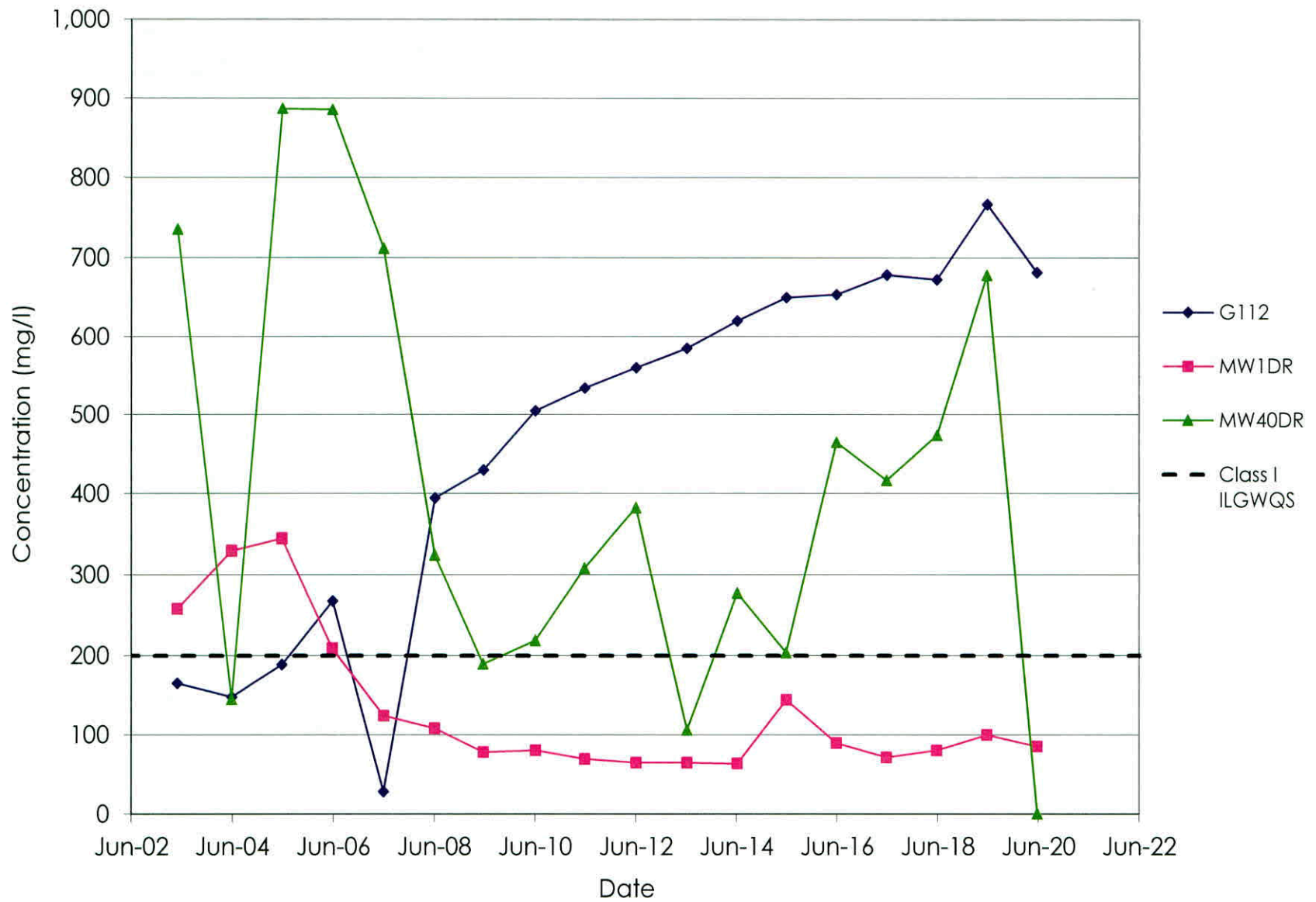
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## Elgin Landfill Total Nickel in Shallow Wells

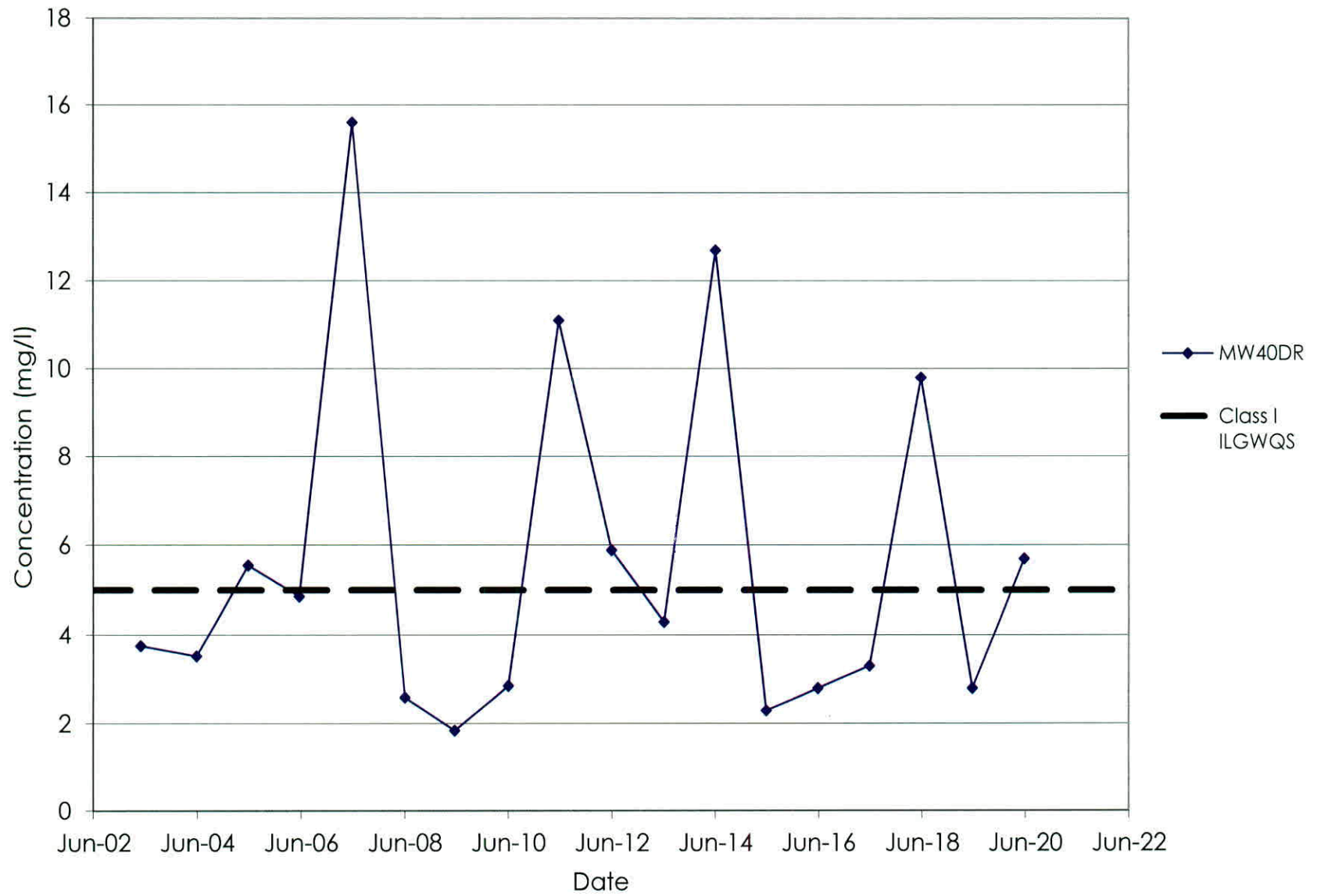


# Tri-County Landfill Chloride in Deep Wells

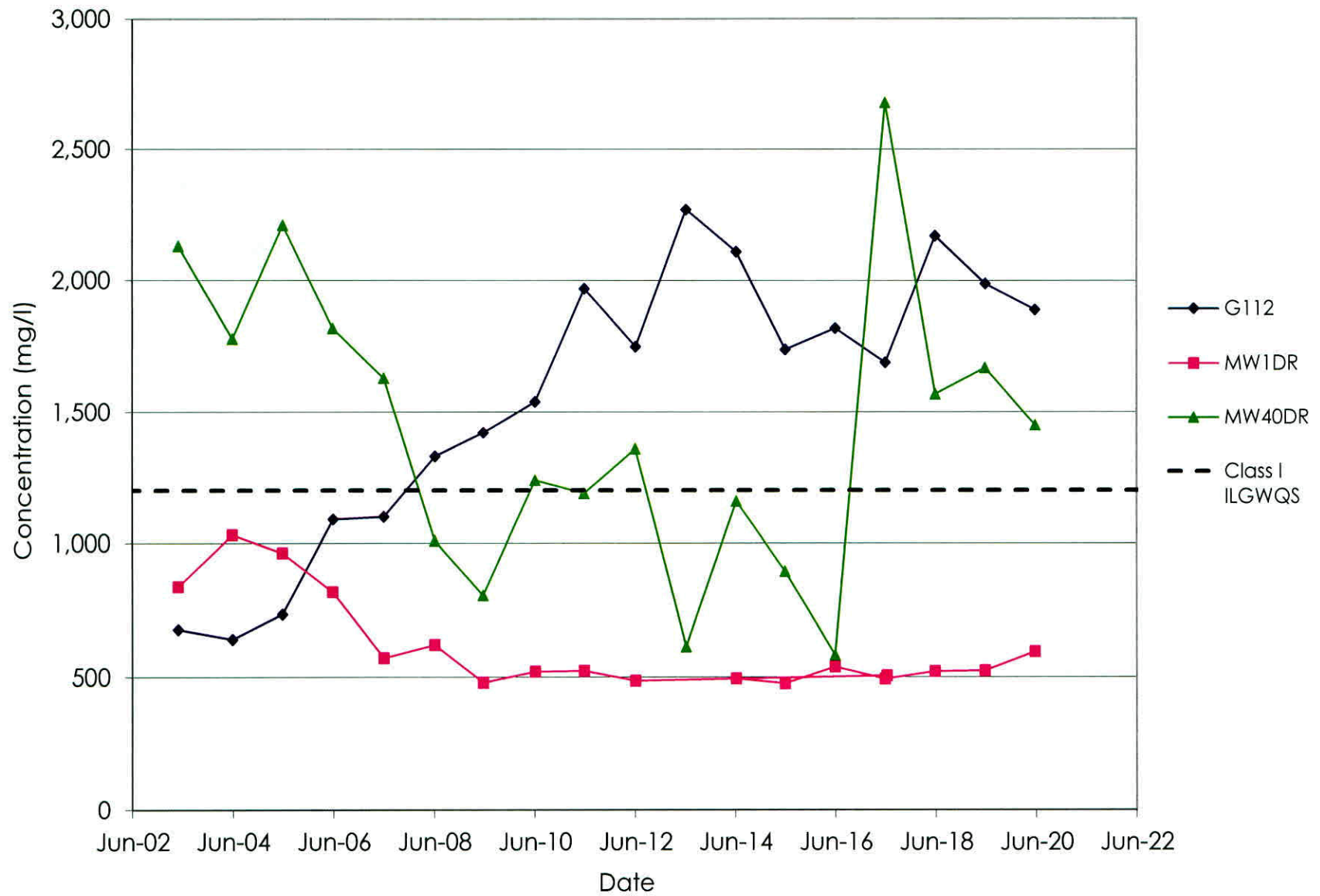




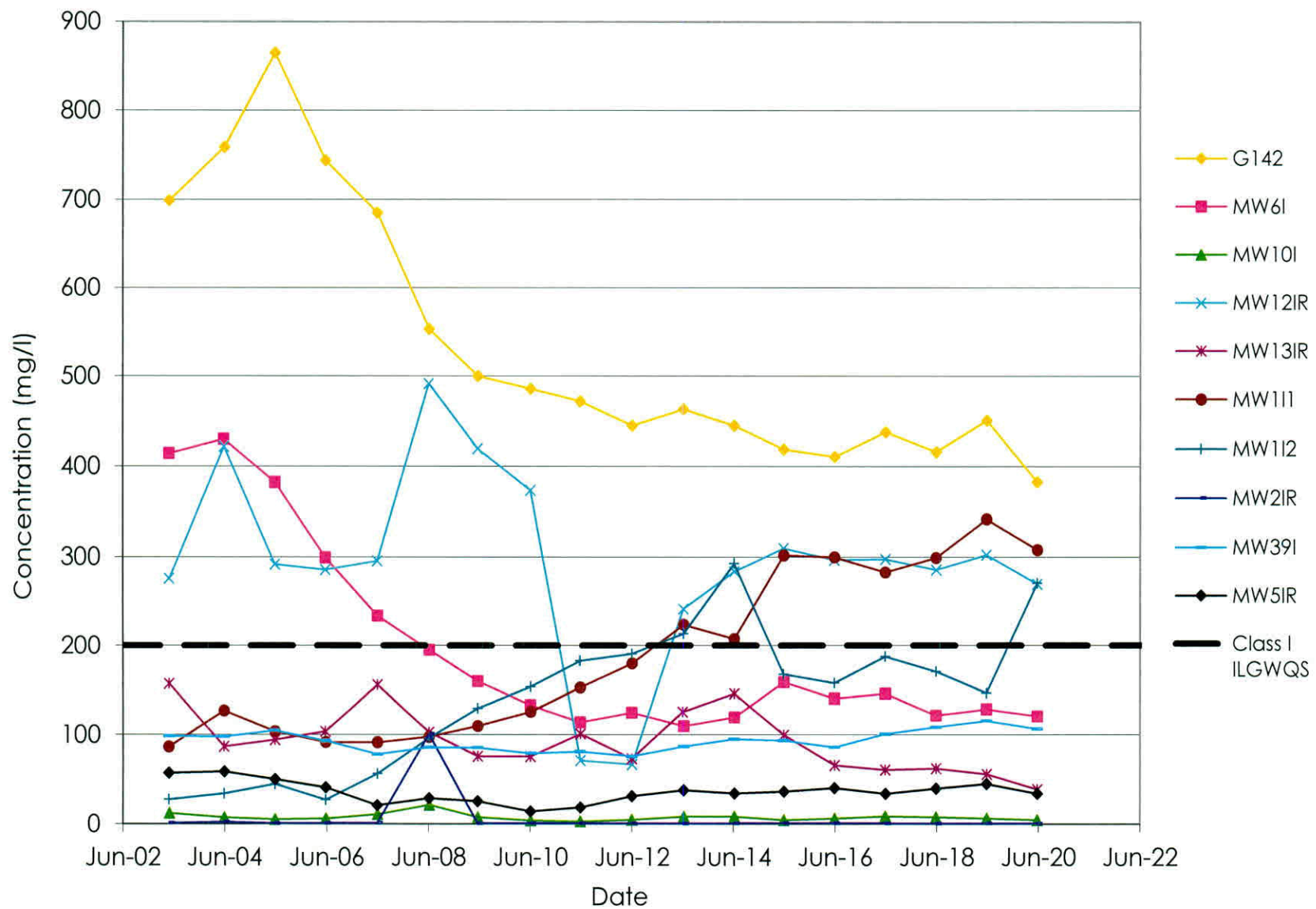
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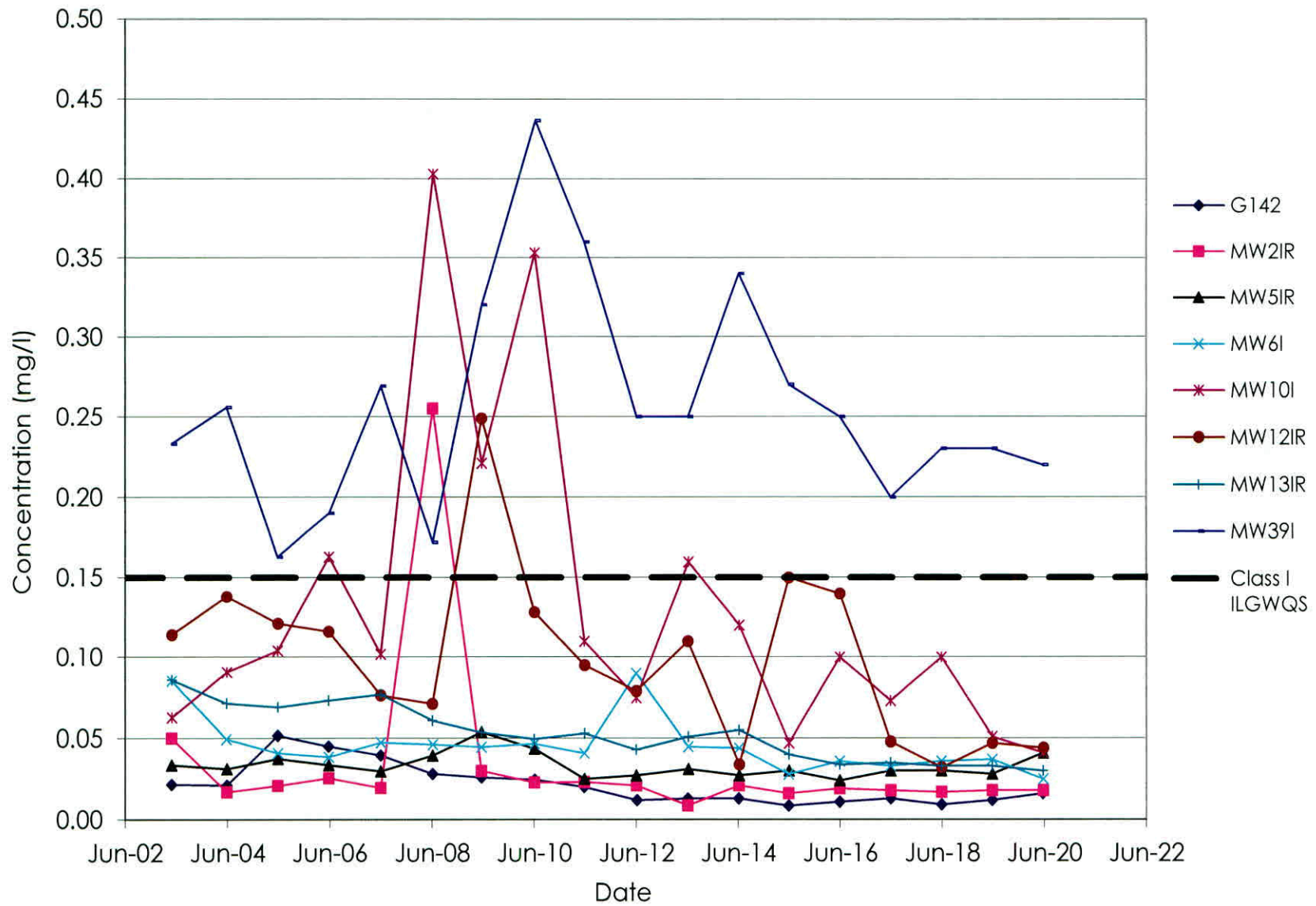
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# Tri-County Landfill Chloride in Intermediate Wells

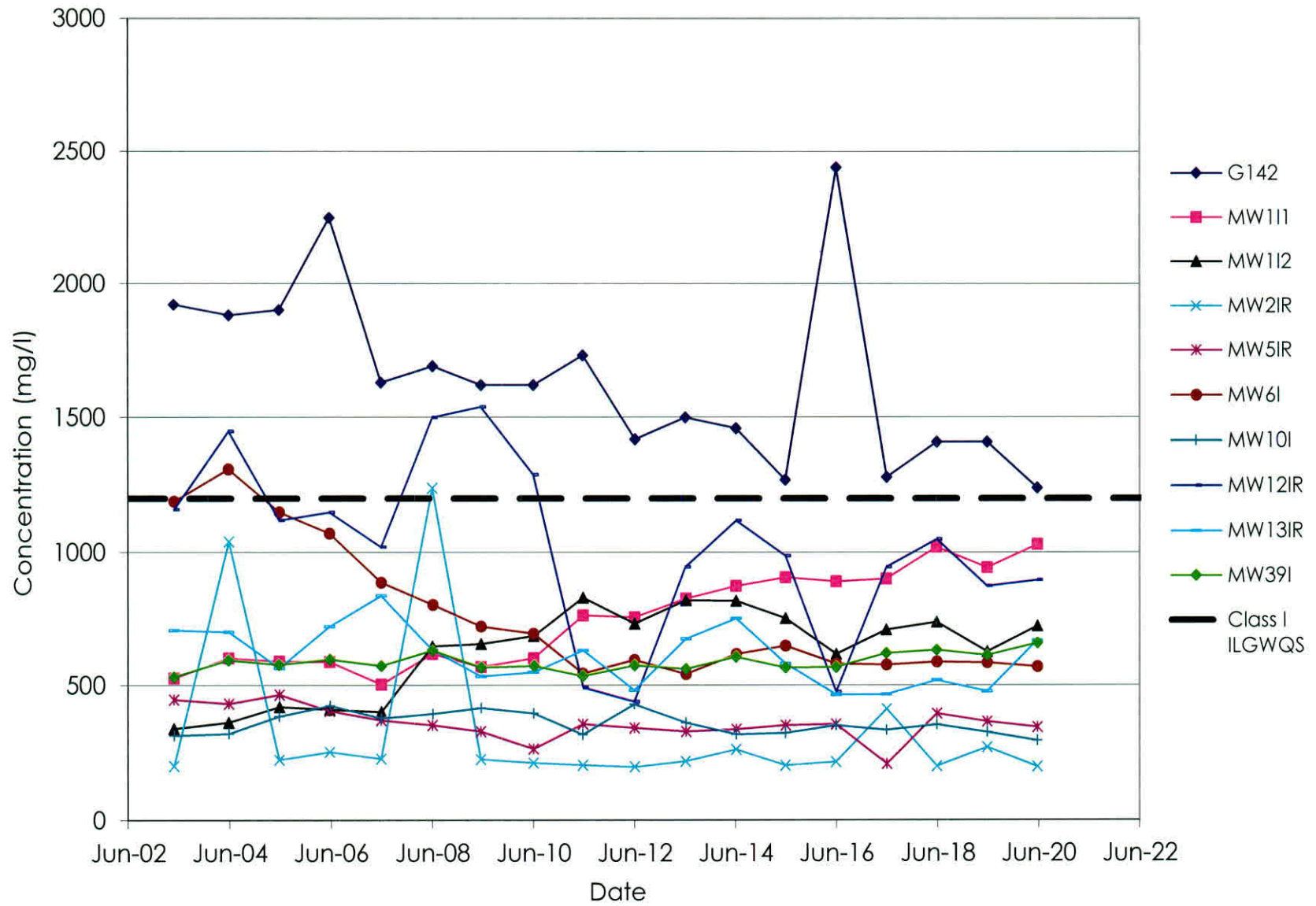


# Tri-County Landfill Total Manganese in Intermediate Wells

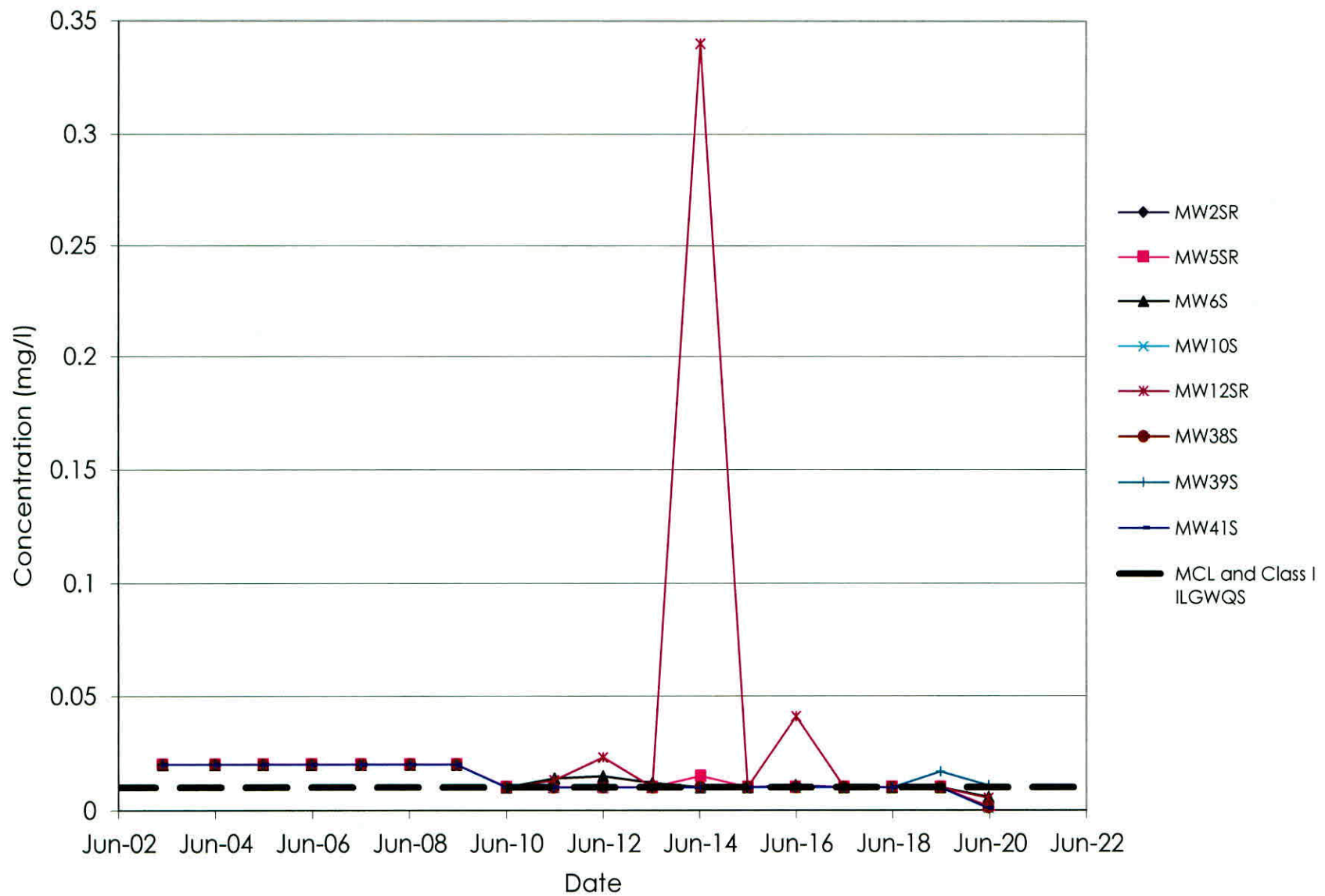


# Tri-County Landfill

## Total Dissolved Solids in Intermediate Wells

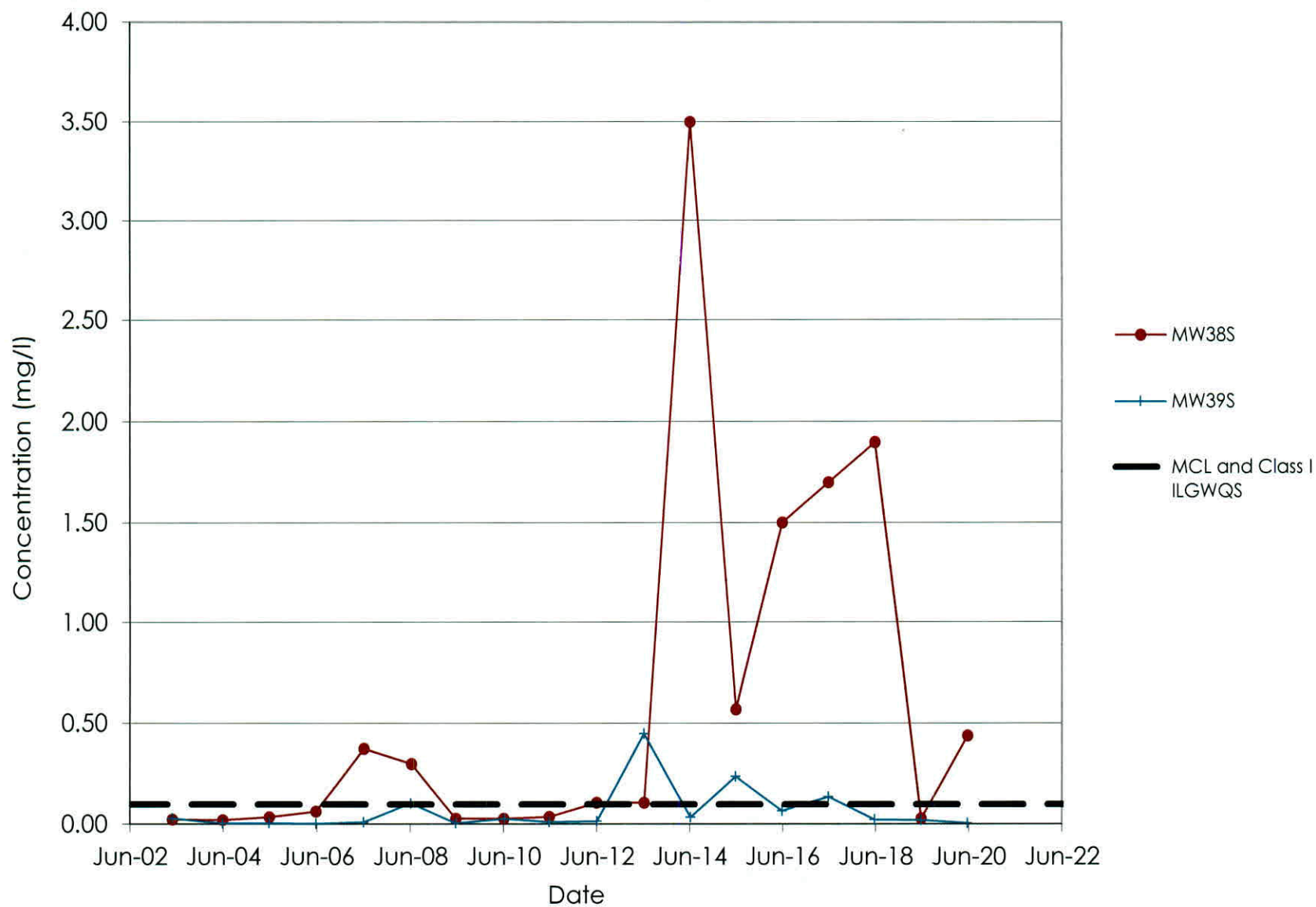


## Tri-County Landfill Total Arsenic in Shallow Wells

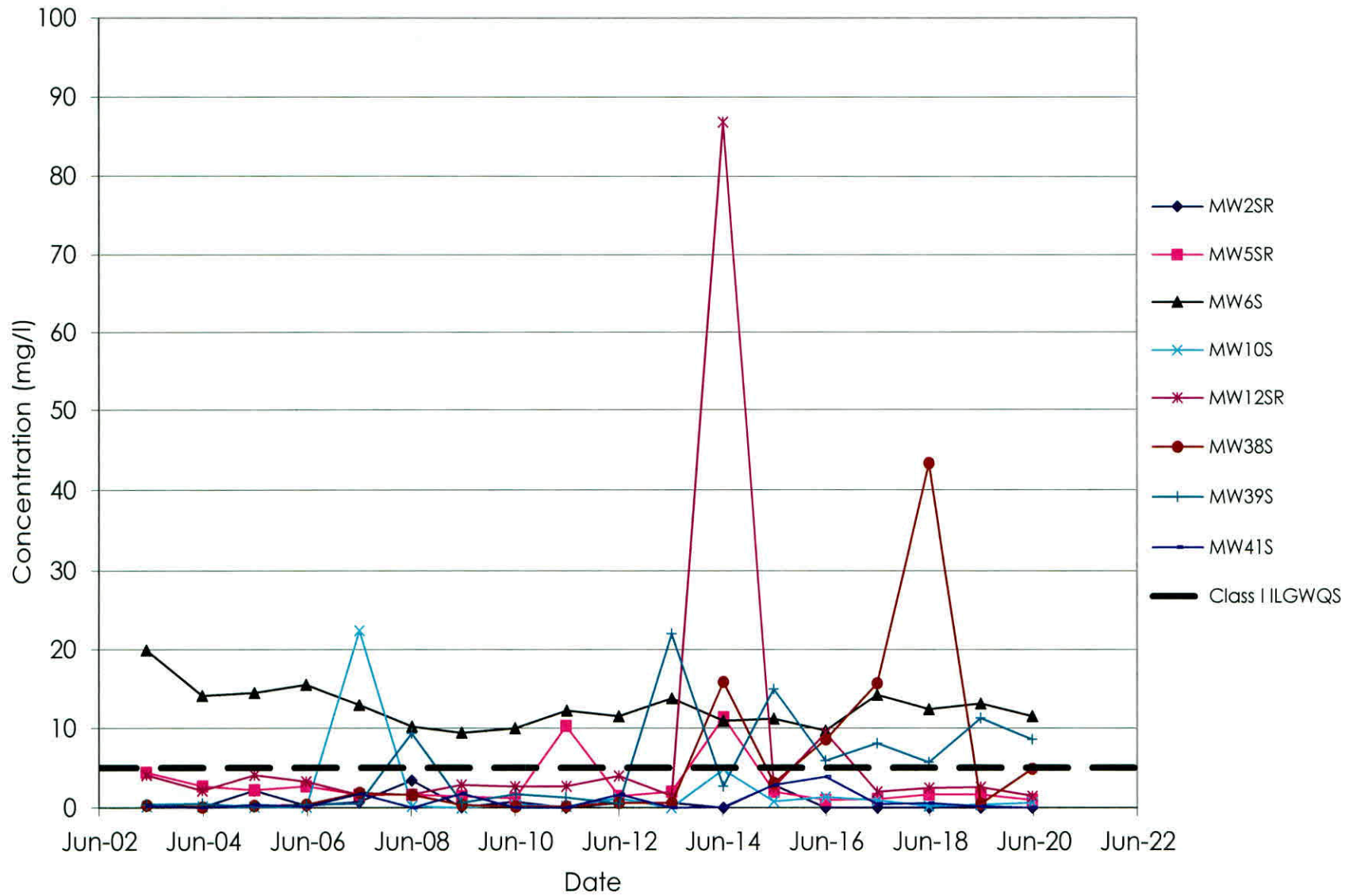




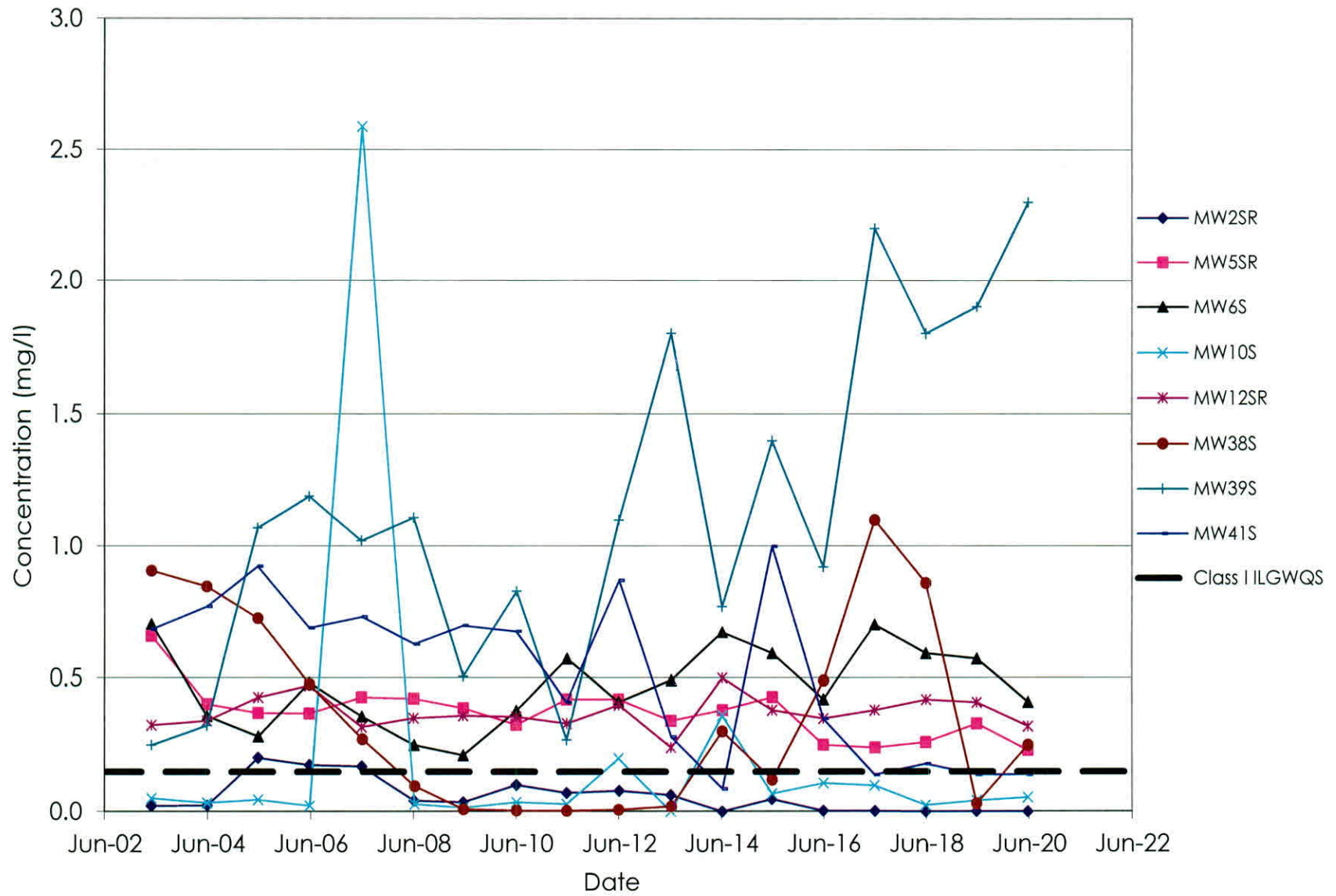
# Tri-County Landfill Total Chromium in Shallow Wells



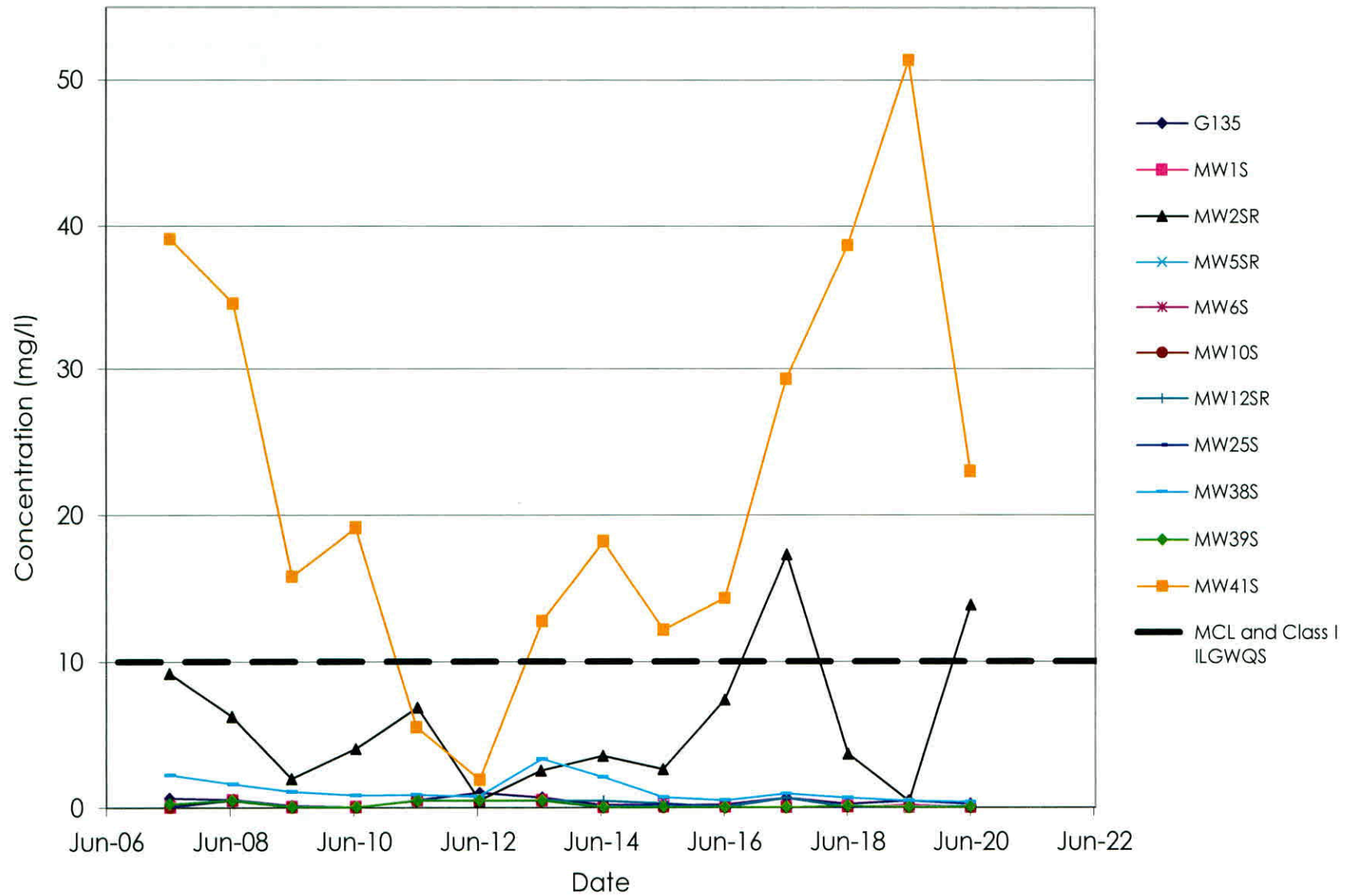
# Tri-County Landfill Total Iron in Shallow Wells



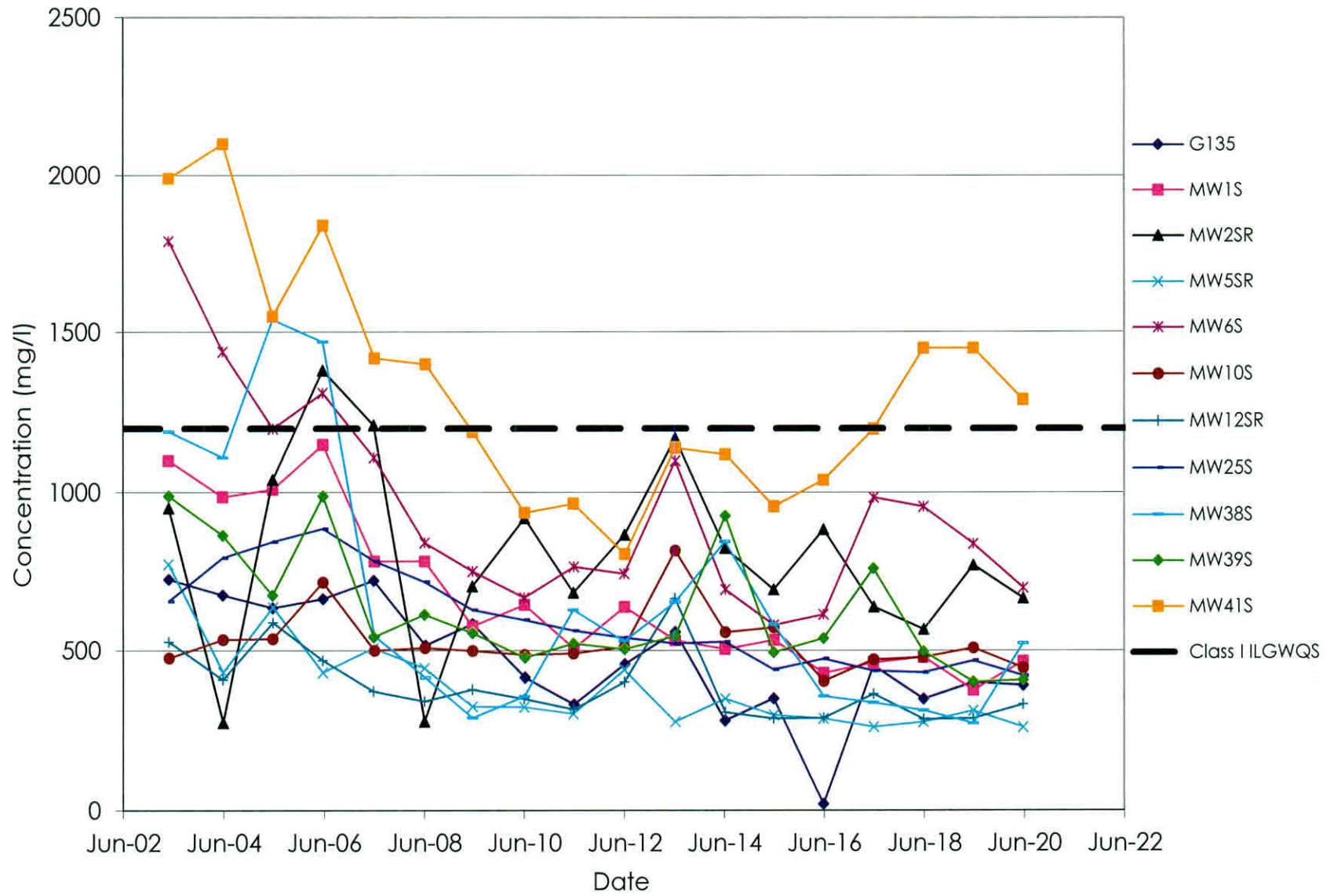
# Tri-County Landfill Total Manganese in Shallow Wells



## Tri-County Landfill Nitrate in Shallow Wells



# Tri-County Landfill Total Dissolved Solids in Shallow Wells



**FOURTH FIVE-YEAR REVIEW REPORT FOR  
TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.  
SUPERFUND SITE  
KANE COUNTY, ILLINOIS**



**Prepared by**

**U.S. Environmental Protection Agency  
Region 5  
Chicago, Illinois**

9/11/2019

**X** 

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Douglas Ballotti, Director  
Superfund & Emergency Management Divisi...  
Signed by: DOUGLAS BALLOTTI



## TABLE OF CONTENTS

	<u>Page</u>
LIST OF ABBREVIATIONS & ACRONYMS .....	3
I. INTRODUCTION .....	4
FIVE-YEAR REVIEW SUMMARY FORM .....	6
II. RESPONSE ACTION SUMMARY .....	6
Basis for Taking Action .....	6
Response Actions .....	8
Status of Implementation .....	10
Institutional Controls .....	13
System Operations/Operation and Maintenance (O&M) .....	19
III. PROGRESS SINCE LAST FIVE-YEAR REVIEW .....	20
IV. FIVE-YEAR REVIEW PROCESS .....	22
Community Notification and Involvement .....	22
Data Review .....	23
Site Inspection .....	24
V. TECHNICAL ASSESSMENT .....	24
Question A: Is the remedy functioning as required by decision documents? .....	24
Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used for the remedy selection still valid? .....	25
Question C: Has any other information come to light that could call into question the protectiveness of the remedy? .....	26
VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS .....	26
VII. PROTECTIVENESS STATEMENT(S) .....	27
VIII. NEXT REVIEW .....	28
APPENDIX A: REFERENCE LIST	
APPENDIX B: FIGURES AND TABLES	

## LIST OF ABBREVIATIONS & ACRONYMS

AOC	Administrative Order on Consent
ARARs	Applicable or Relevant and Appropriate Requirements
AWI	Allied Waste Industries, Inc. (formerly BFI)
BFI	Browning Ferris Industries of North America, Inc.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
HDPE	High Density Polyethylene
ICs	Institutional Controls
ICIAP	Institutional Controls Implementation and Assurance Plan
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
LFG	Landfill Gas
MCL	Maximum Contaminant Level
mg/kg	milligrams per kilogram, or parts per million
NCP	National Contingency Plan
NPL	National Priorities List
O.U.	Operable Unit
O&M	Operation and Maintenance
PCOR	Preliminary Closeout Report
ppb	parts per billion
ppm	parts per million
PRP	Potentially Responsible Party
RA	Remedial Action
RAO	Remedial Action Objective
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RDF	Recycling Disposal Facility
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RSI	Republic Services Inc. (formerly AWI, formerly BFI)
Site	Tri-County Landfill Co./Waste Management of Illinois, Inc. ("Tri-County/Elgin Landfills") Superfund Site
SWRAU	Sitewide Ready for Anticipated Use
TBC	To-Be-Considered
The State	The State of Illinois
TDS	Total Dissolved Solids
UAO	Unilateral Administrative Order
ug/L	micrograms per liter, or parts per billion
VOC	Volatile Organic Compound
WMIL	Waste Management of Illinois, Inc.

## **I. INTRODUCTION**

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The United States Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121 and the National Contingency Plan (NCP) (40 CFR Section 300.430(f)(4)(ii)), as well as with consideration of relevant EPA policies.

This is the fourth FYR for the Tri-County Landfill Co./Waste Management of Illinois, Inc. ("Tri-County/Elgin Landfills") Superfund Site (Site) located in Elgin, Kane County, Illinois. The triggering action for this statutory review is the completion of the third FYR on July 3, 2014. The FYR has been prepared because hazardous substances, pollutants, or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

The Tri-County/Elgin Landfills Site is comprised of 46- and 20-acre adjacent landfills that accepted municipal, commercial and industrial wastes. The remedy was implemented under one Site-wide Operable Unit (O.U.), O.U. #1. The Site was subsequently divided into two O.U.s for administrative and cost tracking reasons to reflect the two parties implementing the remedy. O.U. #2 is the Tri-County Landfill (south) portion of the Site, and O.U. #3 is the Elgin Landfill (north) portion, both addressed in this FYR. Remedies for both O.U.s have been implemented and are operated and maintained as one consolidated remedy. Landfill Gas (LFG) collection (subsequently replaced with passive venting as a result of reduced landfill gas), storm run-off control systems, landfill caps, and long-term groundwater monitoring have been installed on Site and remain in operation.

The Tri-County/Elgin Landfills Superfund Site FYR was led by John V. Fagiolo, EPA Remedial Project Manager (RPM). Participants included Christopher Peters, Site Coordinator for the Illinois Environmental Protection Agency (IEPA), and representatives of the Potentially Responsible Parties (PRPs). The PRPs are implementing the remedy under Unilateral Administrative Orders (UAOs) and IEPA is involved as the support agency. IEPA has provided input to EPA during the FYR process. The FYR review began on October 9, 2018, with document compilation and data review, followed by a November 7, 2018 Site walkthrough and verbal notification to the PRPs. Notification letters were sent to the PRPs and IEPA on November 30, 2018.

### **Site Background**

The Tri-County/Elgin Landfills Site encompasses both the Tri-County and Elgin Landfills and is located in the West 1/2 of the NE 1/4 of Section 1, T40N, R8E, St. Charles Township, Kane County, Illinois. The Site is generally located at 7N 500 Illinois Route 25, near the triple junction of Kane, Cook, and DuPage counties. The Tri-County Landfill consists of approximately 46

acres and is an inactive landfill located approximately 2/3 of a mile southeast of the Village of South Elgin. The Elgin Landfill is approximately 20 acres and is located immediately adjacent to the northern boundary of the Tri-County Landfill. Route 25 bounds the east and southeast sides of the Site, along which are located several commercial businesses. The property adjacent to the north boundary of the Elgin Landfill is controlled under the jurisdiction of the Illinois Department of Natural Resources (IDNR), as is the property immediately east of the Site on the other side of Route 25. The WMIL Woodland Recycling Disposal Facility (RDF) occupies the land west of the Site and contains a former sanitary landfill. The landfill at the Woodland RDF was closed in November 2002 but still has operating landfill gas collection and flare systems.

Surface water features in the area surrounding the Site include the Fox River, Brewster Creek, an unnamed tributary to Brewster Creek, and their associated wetlands. The Fox River is located approximately one mile to the west of the Site. Brewster Creek is a small, east-to-west flowing stream located 1/2 of a mile south of the Site. The unnamed tributary to the Brewster Creek flows toward the Site from the east, bypasses the Site on the south side, and continues to flow south to discharge into Brewster Creek, which flows west into the Fox River.

Land surrounding the Site to the north and to the east is used predominantly as a nature preserve. Most of the residential properties in the vicinity of the Tri-County and Elgin Landfills are located in the Village of South Elgin, approximately 2/3 of a mile west of the Site, west of the Woodland RDF. Residences were located along Dunham and Stearns Roads approximately 1000 feet southeast of the Site, but they have recently been purchased and removed by the State of Illinois as part of the Stearns Road Bridge Corridor construction project. The private residences that are now the nearest to the Site are no closer than approximately 1/2 mile away to the northeast. Many of the businesses in the area of the landfills rely on their own private wells to provide drinking water and water for general use. Monitoring data since 2002 has confirmed the absence of unacceptable contaminants in off-Site groundwater. The ARC Disposal property immediately to the south of the Tri-County portion of the Site has been acquired by RSI (BFI) and since the 2014 FYR is being used only for equipment and vehicle storage.

The landfills operated as solid waste disposal facilities until 1976. Most of the improper waste disposal reportedly occurred at the Tri-County Landfill during the interval from 1968 to 1974. Although landfill operations ceased in December of 1976, the existing cover was not put in place until early 1981. Correspondence from IEPA to WMIL on April 14, 1981, indicated that the landfill had been satisfactorily closed and covered. Records detailing the amount and type of waste disposed in the Elgin Landfill either did not exist or were not available. Residential and commercial rubbish, industrial waste, and incinerator ash were disposed of at the Elgin landfill from 1961-1976.

## Five-Year Review Summary Form

SITE IDENTIFICATION		
<b>Site Name:</b> Tri-County Landfill Co./Waste Management of Illinois, Inc.		
<b>EPA ID:</b> ILD 048 306 138		
<b>Region:</b> 5	<b>State:</b> IL	<b>City/County:</b> City of Elgin, Kane County
SITE STATUS		
<b>NPL Status:</b> Final		
<b>Multiple OUs?</b> Yes.	<b>Has the Site achieved construction completion?</b> Yes. Preliminary Closeout Report Date: Nov. 1, 2001	
REVIEW STATUS		
<b>Lead agency:</b> EPA		
<b>Author name (Federal or State Project Manager):</b> John V. Fagiolo		
<b>Author affiliation:</b> EPA		
<b>Review period:</b> November 30, 2018 - May 9, 2019		
<b>Date(s) of Site inspection:</b> November 7, 2018 and May 29, 2019		
<b>Type of review:</b> Statutory		
<b>Review number:</b> 4		
<b>Triggering action date:</b> July 3, 2014		
<b>Due date (five years after triggering action date):</b> July 3, 2019		

## II. RESPONSE ACTION SUMMARY

### Basis for Taking Action

On June 26, 1987, the PRPs were notified in writing of the opportunity to conduct a Remedial Investigation/Feasibility Study (RI/FS) under EPA supervision. RI/FS negotiations ended in February 1988, without an agreement having been reached with the PRPs. The Site was placed on the NPL under CERCLA on March 31, 1989.

EPA conducted a RI/FS at the Site from April 1988 through July 1992 to define the nature and extent of contamination and evaluate alternatives for the cleanup of both landfills. The RI identified contamination in soil, sediment, and groundwater, and determined that a primary pathway for the contaminants to migrate off-Site is through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and transporting them to groundwater and surface water by surface and subsurface flow. EPA completed the RI/FS Report on July 24, 1992. The final RI/FS Report was approved on September 30, 1992. On September 30, 1992, EPA signed a ROD selecting a Site remedy.

The RI identified contamination in soil, sediment, and groundwater, and also determined that a primary pathway for the contaminants to migrate off-Site was through rain and snowmelt infiltrating through the existing landfill cover, leaching contaminants from the landfilled materials and then transporting them to surface water and groundwater by surface and subsurface flow. The Baseline Risk Assessment showed that there were ten potential routes of current and future exposure:

1. Ingestion of contaminated soils;
2. Direct dermal contact with contaminated soils;
3. Ingestion of contaminated groundwater;
4. Dermal contact with contaminated groundwater during showering;
5. Inhalation of volatile contaminants from groundwater during showering;
6. Ingestion of contaminated surface water;
7. Dermal contact with contaminated surface water;
8. Ingestion of contaminated sediment;
9. Dermal contact with contaminated sediment; and,
10. Inhalation of volatilized contaminants and contaminated particulates.

The greatest carcinogenic risks for humans at the Site were associated with exposure to soils through inhalation and ingestion. For future occupational and residential populations, the greatest carcinogenic risks were associated with air and groundwater exposures. For all populations, non-carcinogenic health effects were most likely to occur from exposure to groundwater.

Ecological impacts from Site-related contamination were also evaluated. Surveys of flora and fauna populations were taken in a qualitative attempt to assess adverse impacts. These findings established some impacts to the local ecosystem. The impact was generally associated with elevated levels of zinc and mercury above established Ambient Water Quality Criterion in the surface water. The Baseline Risk Assessment concluded that all of the remedial alternatives considered in the FS, except the "No Action" alternative, to address the risks to public health would address the ecological impacts as well.

Hazardous substances that have been released at the Site in each media include:

<u>Soil</u>	<u>Groundwater</u>
Arsenic	Antimony
Beryllium	Arsenic
Benzo(a)anthracene	Barium
Benzo(a)pyrene	Chromium
Benzo(b)fluoranthene	Cobalt
Benzo(k)fluoranthene	Manganese
Chrysene	Thallium
Dibenz(a,h)anthracene	Benzene
Indeno(1,2,3-c,d)pyrene	2-Butanone
Aroclor-1242	1,2-Dichloroethene (total)
Aroclor-1254	Tetrachloroethene
	Trichloroethene



Hazardous substances that have been released at the Site in each media include:

<u>Soil</u>	<u>Groundwater</u>
<u>Sediment</u>	Vinyl Chloride
Arsenic	bis(2-Ethylhexyl)phthalate
Benzo(a)anthracene	1,4-Dichlorobenzene
Benzo(a)pyrene	
Benzo(b)fluoranthene	<u>Surface Water</u>
Benzo(k)fluoranthene	Arsenic
Chrysene	Cobalt
Dibenz(a,h)anthracene	
Indeno(1,2,3-c,d)pyrene	

Actual or threatened releases of hazardous substances from this Site, if not addressed by the response action selected in the 1992 ROD may present an imminent and substantial endangerment to public health, welfare, and/or the environment.

### Response Actions

On September 30, 1992, EPA signed a ROD selecting a remedy for the Site with the concurrence of IEPA. On February 2, 1994, EPA entered into an Administrative Order on Consent (AOC) with WMIL and BFI. Under this consent order, WMIL and BFI agreed to perform Remedial Design (RD) activities at the Site. The RD was approved by EPA on September 30, 1997. Unilateral Administrative Orders (UAOs) were issued to the PRPs on September 24, 1998 and November 3, 1999 to perform the Remedial Action (RA) and implement the response activities selected in the 1992 ROD.

Table 5 in Appendix B shows a chronology of Site events. Remedy components include:

- Excavation and consolidation under the landfill cap of contaminated sediments that exceeded background levels;
- Construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and Resource Conservation and Recovery Act (RCRA) Subtitle D cover requirements, as applicable;
- Collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-Site, low-level groundwater contamination, to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries;
- Active collection and treatment of landfill gases;
- Comprehensive monitoring program to ensure the effectiveness of the remedy;
- Institutional controls (ICs) to limit land and groundwater use; and
- Provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the groundwater response component.

Some requirements and components of the remedy selected by the 1992 ROD were modified later based on new information and events. Significant decreases in contaminants were observed

in investigation and design work. The EPA issued an Explanation of Significant Differences (ESD) on June 25, 1996, due to observed contaminant decreases. Natural processes in the surficial aquifer were acting to attenuate contamination within a short distance from the Site boundary. The EPA confirmed that no downgradient groundwater users were currently affected by contamination from the Tri-County or Elgin Landfills. New information strongly supported changing the requirement for leachate/water collection and treatment components from a remedy construction requirement to a contingency element.

On April 23, 1998, EPA issued a second ESD to reflect changes in design and construction specifications for a landfill cap. EPA determined that the modified landfill cap design (as approved in the ROD) was the best approach to meet the performance standards in the ROD and AOC for low permeability of the barrier layer. The 1992 ROD required the construction of a low-permeability clay barrier layer a minimum of 24 inches thick, covered with a layer of topsoil at least 8 inches thick. The second ESD allowed substitution of an alternative material (a 40 mil Low Density Polyethylene (LDPE) geomembrane) in place of the clay layer, and allowed a "geonet" synthetic drainage layer to be substituted for a sand or gravel drainage layer.

On July 14, 1999, a third ESD was signed that allowed for the use of a high strength, low-permeability asphalt cap for the Elgin Landfill and the Elgin-Wayne portion of the Tri-County landfill at the Site. A high strength, low-permeability ( $1 \times 10^{-8}$  cm/sec) asphalt cover was approved which replaced the originally proposed asphalt layer, geosynthetics, and 18 inches of general fill layer. The July 14, 1999 ESD also allowed the use of surface material already at the Site, if that existing material proved to be acceptably impermeable as shown by proper testing. The final layer is a 4-inch thick combined modified asphalt binder and modified asphalt surface course of specially produced, high-strength, low-permeability asphalt.

On July 3, 2001, EPA issued the fourth ESD to account for the sale of the Elgin Landfill properties to BFI by the previous landowners. This sale meant that BFI (responsible for implementing the RA on the Elgin Landfill portion of the Site) would no longer need to implement a remedy that allowed for the ongoing use of the Site by existing businesses, a condition originally required by the 1992 ROD.

Remedial Action Objectives (RAOs) were written in the 1992 FS, included in the 1992 ROD, and are as follows:

- For soils and waste material, the RAO is to prevent direct human contact and continuing impacts to groundwater through treatment and/or containment of all on-Site soils and waste material containing contaminants at unacceptable concentrations;
- For groundwater, the RAOs are: (1) to reduce the continued production of leachate caused by infiltration of precipitation and the contact of groundwater with the waste material and impacted soils; (2) to prevent the migration of groundwater and landfill leachate containing levels of contaminants above acceptable concentrations to prevent further degradation of groundwater and direct human contact; and (3) reduce the volume and toxicity of groundwater that migrates off-Site and which contains contaminants at levels above acceptable concentrations;

- For landfill gas and ambient air, the RAO is to maintain and control landfill gas emissions to the atmosphere in compliance with appropriate State and Federal regulations;
- For surface water, the RAOs are: (1) to prevent direct human contact and impacts to off-Site surface water and local groundwater through removal and treatment of on-Site surface water containing contaminants at levels above risk-based criteria; (2) to minimize the impact to the wetlands south of Tri-County Landfill resulting from remediation activities at the Site; and (3) restore impacted off-Site wetlands; and,
- For sediments, the RAO is to prevent direct human contact and impacts to groundwater through containment of all on-Site sediments containing contaminants at concentrations above unacceptable levels.

The Tri-County and Elgin Landfills portions of the Site are functionally one contiguous disposal unit but have separate ownership and operating histories. The current remedy was installed in two distinct actions implemented by WMIL and BFI (now RSI). The Tri-County landfill portion of the Site is managed as Operable Unit (O.U.) #2, and the Elgin landfill portion as O.U. #3. WMIL operated a waste transfer facility adjacent to the southeast corner of the Elgin Landfill. In 2007, WMIL discontinued transfer facility operations at the Site. From 2007 to 2012, WMIL used this area for fleet vehicle and container storage and maintenance. In 1998, to allow WMIL's continued operations, an area approximately 4 acres in size south and west of the transfer facility was paved with Modified Asphalt Technology for Waste Containment Facilities (MatCon®) pavement. A tie-in detail was developed during design of the Elgin Landfill to connect MatCon® pavement to the Elgin Landfill cover system. Since the 2014 FYR this area is being leased to a tenant that uses it for vehicle storage.

The PRPs have successfully implemented and are maintaining all components of the Site remedy. On November 1, 2001, a Preliminary Close-Out Report (PCOR) was signed. The PCOR certified that the construction of the Site remedy successfully achieved the requirements of the ROD and the Remedial Design.

### **Status of Implementation**

Elgin Landfill Final Cover System. The Elgin Landfill cover includes two cover “types”, designated as Type A and B. The Type A cover contains a smooth geomembrane, non-woven geotextile, and soil/geosynthetic cover interface with MatCon® pavement over approximately 15 acres, where typical slopes do not exceed about 5 percent. The Type B cover contains a textured geomembrane and geosynthetic composite drainage layer over 4 acres where slopes are 25 percent or steeper. Type A and B cover systems vary only with respect to geosynthetic materials used to address stability concerns on steep slopes. There are no differences in soil types and thicknesses used in Type A and B covers. From top to bottom, Type A and B cover systems consist of the following materials and layer thicknesses:

#### Type A

Topsoil (6")  
Select Fill (12")  
Geotextile  
Geomembrane (smooth)  
Random Fill (6" minimum)

#### Type B

Topsoil (6")  
Select Fill (12")  
Geosynthetic Drainage Layer  
Geomembrane (textured)  
Random Fill (6" minimum)

Tri-County Landfill Final Cover System. The Tri-County Landfill cover system includes two components, a geosynthetic cover system that covers approximately 90 percent of the Site, and an area of MatCon® pavement consisting of approximately 4 acres. From top to bottom, the geosynthetic component consists of the following: Topsoil (6"), Rooting Zone (12"), Geotextile, Geonet, and Geomembrane (smooth).

Elgin Landfill Surface Water Drainage. Surface run-off from the Elgin Landfill cover drains by gravity to two on-Site detention ponds, designated as upper and lower. These ponds are located in the southeast portion of the Site and are approximately 2.7 acres in total size. Surface water from the upper detention pond discharges to a ditch south of the former WMIL facility through a 10-inch diameter High Density Polyethylene (HDPE) dual containment pipe. The lower detention pond functions to collect and detain surface run-off from the east and northeast areas of the Site. Surface water which collects in the lower pond is discharged to a ditch along the west side of Illinois Route (Highway) 25. The ponds were designed such that their discharge does not exceed the capacity of this ditch. Landfill material was excavated and graded within the Elgin landfill property boundary to avoid adverse impacts to surface water drainage. Landfill materials that extended beyond property boundaries on the north and east sides of the Site were relocated within limits of the final landfill cover.

Tri-County Landfill Surface Water Drainage. Surface water within the Tri-County Landfill is collected in perimeter and interior drainage swales, culverts beneath WMIL Site access roads, an oil-and-grit separator, and an infiltration basin located near the southwest corner of the Site. Perimeter drainage swales function to capture and channel surface water runoff from the landfill for deposition in the infiltration basin. Drainage swales follow the Site perimeter around the west, north, and east Site boundaries.

Landfill Gas Collection System. An active LFG collection and removal system was installed in both the Elgin and Tri-County Landfills in order to address requirements in the ROD. The function of the LFG collection and removal system is to provide effective LFG migration control and to prevent physical disruption of landfill cover components resulting from gas migration. The Elgin LFG collection system is connected to the Tri-County Landfill system via two HDPE header pipes (east and west) that are connected to the gas treatment facility located near the southwest corner of the Tri-County Landfill. Up until late 2013, LFG from both landfills was treated by combustion in a flare on Site and monitored at the neighboring WMIL Woodland Recycling Disposal Facility. The LFG collection and treatment system also removes volatile organic compounds (VOCs). Figures 5 and 6 show the LFG systems at the Site. Measurement of methane occurs at a minimum quarterly.

The LFG extraction points (wells and trenches) and blower/flare station are typically monitored on a quarterly basis. Flows from the individual LFG collection points are low, generally less than 3 cubic feet per minute (cfm). At one point the total flow at the blower/flare was approximately 100 cfm. Several extraction wells are typically closed because of the low gas production. In 2012, because of this declining methane production, the PRPs requested approval to modify the LFG system to a passive venting system where each LFG extraction well would vent gas directly to the atmosphere. Site data indicated that air emissions standards could be met without flaring of LFG. It was determined that the current levels of LFG emitted by the Site without air pollution control equipment is no more than one pound per hour of any regulated air pollutant not listed as hazardous (pursuant to Section 112(b) of the Clean Air Act) and is no more than 0.1 pound per hour of any regulated air pollutant listed as hazardous (pursuant to Section 112(b) of the Clean Air Act). The results also meet requirements identified in Subtitle B of Title 35 of Illinois Administrative Code Section 201.211(a) which is the State statute equivalent to the Clean Air Act. In addition, release of LFG emissions after shutdown of the Site flare are not subject to the Prevention of Significant Deterioration (PSD) rules for carbon dioxide emissions under the Greenhouse Gas (GHG) Tailoring Rule (75 FR 315514, June 3, 2010). Calculated anthropogenic GHG emissions for the Site are 9,190 tons per year, which is below the major source threshold for modification of 75,000 tons per year (of carbon dioxide). The result of calculations for nonmethane organic compounds (NMOC) emissions is well below the applicable regulatory limit of 50 megagrams per year.

A detailed review by EPA of the chronological history of methane production and LFG control and treatment operations concluded that from 2005 to 2012, the percentage of methane in the LFG stream has gradually declined both at the locations of the wells and at the flare blower. More indicative operational information is the pressure (vacuum) induced in the LFG piping. Between 2005 and 2011, the vacuum pressure in the LFG piping was an average of -2.8 inches of water. In 2011, that level had decreased to an average of -0.6 inches of water. This indicates that to provide the same or similar intermittent removal of methane from the system, less vacuum had to be applied less frequently throughout the LFG piping. Since placement of waste at the Site stopped in 1976, this reduced generation of methane is consistent with approximately 36 years of decomposition. Further, the current low production rate of LFG does not present a combustion or explosion threat if vented to the atmosphere. The EPA approved the request to modify the LFG system to a passive venting system in January 2013.

Elgin Landfill LFG system. Nineteen LFG extraction wells are located within the Elgin Landfill. Wells are spaced approximately 200 feet apart along the west, north, and south perimeters and approximately 400 feet apart within the landfill interior. Check valves separate the Elgin and Tri-County LFG systems. The west header pipe drains to condensate knock-out/lift station KS01 on the Tri-County Landfill. The west header pipe drains to condensate knock-out/lift station KSE01 on the Elgin Landfill. In addition, to monitor for potential methane migration off-Site, five LFG monitoring probes (GPE01 through GPE05) are located around the Elgin Landfill perimeter. No methane has been detected in any of these probes since 2004.

Tri-County Landfill LFG system. Twenty-five gas extraction wells, designated GW-1 through GW-25, and three horizontal gas extraction trenches, designated GT-01 through GT-03, are located within the Tri-County Landfill. Wells are 8-inches in diameter, constructed of Schedule

80 PVC pipe. Horizontal extraction trenches are located beneath the WMIL parking lot to avoid vertical wells within the parking area. Horizontal wells consist of 6-inch diameter HDPE perforated pipe placed above gravel. Three knock-out/lift stations were installed at engineered low points of the system to collect condensate that forms as gas cools in the header pipes. To identify off-Site release of methane, four LFG monitoring probes were installed around the perimeter of the Tri-County Landfill. Condensate flows through collection piping by gravity to a condensate collection tank on the southwest side of the Site. Condensate is removed using a vacuum truck and is transported for treatment at the Fox River Water Reclamation District Wastewater Treatment Facility located approximately 3 miles away.

### **Institutional Controls**

To ensure the integrity of the RA, the 1992 ROD requires ICs to prohibit excavation of soils, construction on-Site, groundwater extraction, and any other interference with the remedy (*See* 40 C.F.R. 300.430). ICs are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect the integrity of the remedy. Compliance with ICs is required to assure long-term protectiveness for any areas which do not allow for UU/UE. Specifically, the ROD required deed restrictions to reduce the probability of direct soil contact. ICs for the Tri-County/Elgin Landfills Site are protective, effective and in good standing with the integrity of the remedy. Implemented ICs for the Site are listed in Table 1 and are further discussed below. A map showing the areas to which the ICs apply is included in Appendix B as Figure 7. The Site achieved Sitewide Ready for Anticipated Use (SWRAU) status on September 26, 2013.



**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented (or planned)
<p><u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" on Figure 7.</u></p> <p>On-Site contaminated subsurface soil.</p> <p>Multi-media landfill cap and landfill gas collection (venting) system, and ground flare (if needed).</p> <p>Property ownership: Tri-County Landfill; Elmhurst, IL</p> <p>PRPs monitor the Site to guarantee there is no disturbance of the Site cap or other remedy components, including removal of deep rooting vegetation. There is no cracking, sliding, settlement of cap or other indicators of cap breaches. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #2	<p>- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).</p> <p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<p><u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" on Fig. 7.</u></p> <p>Groundwater that exceeds groundwater cleanup standards.</p> <p>Groundwater monitoring wells, annual sampling and analysis.</p> <p>Property ownership: Tri-County Landfill; Elmhurst, IL</p> <p>PRPs monitor groundwater at the Site to guarantee there is no extraction or other unauthorized use of groundwater. The lateral extent of the plume continues to remain stable and contaminant levels are not increasing. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #2	<p>- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).</p> <p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented (or planned)
<p><u>Elgin Landfill boundary (approx. 20 acres). Parcels 016, 024, 025 on attached Figure 7.</u></p> <p>On-Site contaminated subsurface soil.</p> <p>Multi-media landfill cap and landfill gas collection (venting) system, and ground flare (if needed).</p> <p>Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.</p> <p>PRPs monitor the Site to guarantee there is no disturbance of the Site cap or other remedy components, including removal of deep rooting vegetation. There is no cracking, sliding, settlement of cap or other indicators of cap breaches. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #3.	<p>- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.</p> <p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<p><u>Elgin Landfill boundary (approx. 20 acres). Parcels 016, 024, 025 on attached Figure 7.</u></p> <p>Groundwater that exceeds groundwater cleanup standards.</p> <p>Groundwater monitoring wells, annual sampling and analysis.</p> <p>Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.</p> <p>Site PRPs monitor groundwater at the Site to guarantee there is no extraction or other unauthorized use of groundwater. The lateral extent of the plume continues to remain stable and contaminant levels are not increasing. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #3.	<p>- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.</p> <p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.</p>

## **Compliance with ICs**

The PRPs are performing the remedy maintenance, including maintenance of ICs to ensure that there is no use of the groundwater, no unacceptable use of the Site, and no installation or construction of structures, wells, or pipes. Compliance with these restrictions is necessary for the remedy to remain protective of human health and the environment. Regular O&M activity ensures that no trespassing occurs and that the land and underlying groundwater are not used in ways that are incompatible with the implemented Site remedial action. The Site is fenced with a locked gate. Consistent with the Site inspection made by EPA and IEPA, there is no current groundwater use at the Site. According to the Site inspection made by EPA and IEPA, the uses of the Site are currently consistent with these restrictions. To ensure that the ICs are effective and that long-term stewardship (LTS) procedures are in place, EPA analyzed the effectiveness of the current land use restrictions. Environmental Covenants were recorded in 2012 and 2013 to restrict future Site use. The PRPs own the properties and will continue to own the real estate for the foreseeable future. ICs will remain in place and be maintained. LTS must be ensured, including maintaining and monitoring effective ICs.

## **Long-Term Stewardship**

Long-term protectiveness at the Site requires compliance with land-use restrictions to assure the remedy continues to function as intended. LTS will ensure that the Site ICs - the Environmental Covenants - are maintained, monitored, and enforced. Although the PRPs and their representatives regularly perform IC maintenance to ensure compliance, content should be added to the Operation and Maintenance (O&M) Plan to document current LTS procedures. The LTS revision should describe at a minimum: (1) monitoring activities and schedules; (2) responsibilities for performing each task; (3) reporting requirements; and (4) a process for addressing any potential IC issues that may arise during the reporting period. The O&M revision for LTS should include the LTS components as outlined in appropriate EPA guidance<sup>1</sup>. LTS will include the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures. In conjunction with O&M reports, an LTS report should be submitted to EPA to demonstrate: that the Site was inspected to ensure no inconsistent uses have occurred; that ICs remain in place and are effective; and that any necessary contingency actions have been executed. Results of IC reviews should be provided to EPA as part of the semiannual O&M report with a certification that the ICs remain in place and are effective.

## **IC Follow-up Actions Needed**

LTS procedures in the form of a revision to the O&M plan should be completed to ensure long-term effectiveness of ICs. LTS will include the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures.

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<sup>1</sup> Institutional Controls: A Guide to Preparing Institutional Control Implementation and Assurance Plans at Contaminated Sites, OSWER 9200.0-77:  
[https://www.epa.gov/Sites/production/files/documents/iciap\\_guidance\\_final\\_-\\_12.04.2012.pdf](https://www.epa.gov/Sites/production/files/documents/iciap_guidance_final_-_12.04.2012.pdf)

In conjunction with O&M reports, an LTS report should be submitted to EPA to demonstrate: (1) the Site was inspected to ensure no inconsistent uses have occurred; (2) ICs remain in place and are effective; and (3) any necessary contingency actions have been executed. Results of IC reviews should be provided to EPA as part of the semiannual O&M report.

### **System Operations/Operation and Maintenance (O&M)**

Table 7 in Appendix B is the Site Inspection Form that describes the current state of the operating remedy. Contractors perform remedy repair, upkeep, and O&M of the passive gas vents and the landfill cover consistent with the ROD and PCOR. In accordance with the O&M plan, contractors inspect the following systems on a quarterly basis and perform routine maintenance and repairs (when necessary): fencing and gates, passive gas vents, Site monitoring wells, Site padlocks, and the landfill cap surface. Long-term maintenance of the Site landfill cap is ongoing and ensures containment of Site waste material. The minimal landfill gas that is generated is vented to the atmosphere and no unacceptable levels of landfill gas accumulate or are released beyond the Site boundary. Since the last FYR in 2014, only minor repairs were needed and made to the landfill cap, fencing, and vent piping.

Groundwater Monitoring Operations. Monitoring of groundwater on and around the Site occurs annually at 46 monitoring wells. The current monitoring program was established in 2002. EPA's review of groundwater monitoring data collected since 2013 found that Site groundwater has not changed significantly and contaminant concentrations are generally stable and have decreased somewhat in some locations. However at locations MW-38 and MW-41, there have been increases in contaminant concentrations since 2012. In these locations the contaminants consist mainly of compounds previously present in the area and documented at properties adjacent to and near the Site. The increases may be attributable to: 1) contributions from these background contaminants, 2) fluctuations in the water table or, 3) variation in seasonal precipitation amounts. Mining and quarry work near the Site have historically influenced groundwater contaminants, but no such work has occurred near these locations for decades. This observation does not affect the protectiveness of the remedy but EPA will further examine Site data and possibly require additional or more frequent sampling in these areas. Table 6 in Appendix B provides a summary of the data.

Landfill Caps. Caps on both the Tri-County and Elgin portions of the Site are inspected twice a year for signs of erosion and stressed vegetation. The cover is typically mowed on a biennial basis, or more frequently if necessary. Generally, the cover is well-vegetated, with no significant erosion. Since the installation of the remedy, no stressed vegetation has been observed at the Site. No inordinate low-growth zones have been observed since the 2014 FYR.

Landfill Gas Passive Vents. No unacceptable levels of landfill gas accumulate at the Site, or are released beyond the Site boundary. Since the 2014 FYR, no major repairs have been needed.

Remedy Costs. Current annual O&M and groundwater monitoring costs for the Tri-County/Elgin Landfills Site reflect work for operation, maintenance, repair, and management of the Site remedy systems, and for Site sampling and analysis. Average Site annual costs are within an approximate range of \$90,000 to \$130,000 but may fluctuate depending on the costs of repairs implemented throughout the year.

### III. PROGRESS SINCE THE LAST REVIEW

**Table 2: Protectiveness Determinations/Statements from the 2014 FYR**

O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
2	Short-term Protective	For the Tri-County portion (O.U. #2) of the Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment in the short term because: ICs are in place, the landfill cap and gas collection and flare/passive vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3) restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.
3	Short-term Protective	For the Elgin portion (O.U. #3) of the Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment in the short term because: ICs are in place, the landfill cap and gas collection and flare/passive vent systems are in place and operating



O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
		<p>properly; there is no evidence of a cap breach; the existing use of the Elgin Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3) restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.</p>
Sitewide	Short-term Protective	<p>For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap and gas collection and flare/passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3)</p>

O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
		restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.

**Table 3: Status of Recommendations from the 2014 FYR**

O.U.	Issue	Recommendations/ Follow-up Actions	Current Status	Current Implementation Status Description	Completion Date
2, 3	Documents and procedures should be developed and implemented to ensure that implemented ICs are effective and properly maintained, monitored, and enforced.	Develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).	Ongoing.	Although the PRPs or their representatives regularly perform IC maintenance and compliance, text has not yet been added to the Site O&M Plan.	

#### **IV. FIVE-YEAR REVIEW PROCESS**

##### **Community Notification and Involvement**

The Site's web page: <https://cumulis.epa.gov/supercpad/curSites/csinfo.cfm?id=0500340> was updated on May 3, 2019 to provide information on this FYR and to invite community input. A public notice was made available on the web page and is included as Figure 8 in Appendix B of this report. The notice stated that there was a FYR and invited the public to submit any comments to EPA. Except for correspondence from IEPA, no public comments regarding the FYR have been received. The results of the review and the report will be made available on the web page and at the Site information repository located at:

Gail Borden Public Library  
270 N. Grove Avenue  
Elgin, Illinois 60120

The Administrative Record may also be reviewed at the Gail Borden Public Library and:

U.S. EPA, Region 5  
Superfund Records Center, 7th Floor  
77 West Jackson Boulevard  
Chicago, Illinois 60604

## **Interviews**

From 2014 to 2019, EPA received no questions, concerns, or complaints from any members of the community surrounding the Site. Since remedy construction completion in 2001, there have been no major problems and the need has not arisen for any community involvement events. The proximity of EPA's Region 5 office to the Site facilitates EPA's availability to respond to any concerns by the local community. Therefore, no interviews with the community were conducted for this FYR. Except for correspondence from the IEPA and the PRPs, no public comments regarding the FYR have been received.

## **Data Review**

EPA reviewed recent annual groundwater monitoring data from the Site and concluded that the area of groundwater that contains contaminants continues to remain stable and there has been no new emergence of any contaminants. EPA also found that the contaminant concentrations remain relatively unchanged or are decreasing since the 2014 FYR. There are some contaminants in groundwater at concentrations above RAOs in some locations just adjacent to the Site real estate. At locations MW-38 and MW-41, there have been slight increases in contaminant concentrations since 2012. At these locations contaminants consist mainly of compounds previously present in the area and documented at properties adjacent to and near the Site. The increases may be attributable to: 1) contributions from these background contaminants, 2) fluctuations in the water table or, 3) variation in seasonal precipitation amounts. Mining and quarry work near the Site have historically influenced groundwater contaminants, but no such work has occurred near these locations for decades. This observation does not affect the protectiveness of the remedy but EPA will further examine Site data and possibly require additional or more frequent sampling in these areas. The overall extent and concentration distribution of the contaminants at the Site has not appreciably changed since 2014. Table 6 in Appendix B provides a summary of the data.

EPA reviewed recent O&M data to assess operational effectiveness of the remedy components. Contractor reports on quarterly and annual inspections and sampling events indicate that the remedy continues to be effective with no major repairs necessary. Maintenance and inspection reports and the FYR Site inspection confirmed that the landfill cap and gas vents across the Site are in good operating condition. The low amount of landfill gas occasionally generated is immediately vented. Long-term maintenance and regular inspection of the landfill cap is implemented and ensures that the remedy remains effective and contains Site waste material. No major cap maintenance or replacement for erosion or surface drainage has been needed since 2014.

## **Site Inspection**

An initial inspection was performed on November 7, 2018, and followed up with a second inspection on May 29, 2019. In attendance were John V. Fagiolo, EPA RPM, Christopher Peters of IEPA, and representatives of WMIL and RSI. The purpose of the inspection was to assess the protectiveness of the remedy. The FYR Site inspection checklist was completed using information from this inspection and is included as Table 7 in Appendix B of this report. Inspection participants walked through and around the Site and checked components of the remedy including monitoring wells. Monitoring wells appeared to be secured, undamaged, and

otherwise in good condition. The Site perimeter (fence line) was visually inspected and except for a small section where the fence had been cut by trespassers, the fence was in good condition. The PRPs assured EPA and IEPA that fence repairs would occur immediately. The Site was found to be in good condition during the inspection. There were no signs of unacceptable erosion or unacceptable discarding of materials or wastes. Site housekeeping was good and there were no signs of any vandalism or other disturbances. Fences on the north, east, south, and west sides were properly in place. Since the last FYR in 2014, EPA, IEPA, and PRP representatives have consulted by email and telephone, including annual Site visits by EPA.

## **V. TECHNICAL ASSESSMENT**

**Question A:** Is the remedy functioning as intended by the decision documents?

Yes. The remedy selected by the 1992 ROD remains functional, operational, and effective. The implemented remedy has met and maintained RAOs because the landfill cap minimizes the migration of contaminants to groundwater and prevents direct contact with, or ingestion of, contaminants in the soil or landfill waste. Groundwater monitoring data were reviewed. Indications from the data are that the landfill cap is effective in controlling contaminant input into the groundwater. The contaminant plume and concentrations continue to remain stable or are decreasing. Concentrations of some inorganic contaminants in groundwater have decreased. Table 6 provides a summary of Site groundwater data.

No Site uses inconsistent with the implemented ICs or the remedy objectives are occurring. The remedy is considered to be currently protective because there is no evidence that there is current human exposure. There is no cracking, sliding, or settlement of the cap or other indicators of cap breaches. Landfill gas does not accumulate and is successfully vented with no unacceptable levels reaching the Site boundary. No leachate seeps have been observed and there is no threat to any nearby residences or residential drinking water wells. With continued maintenance and monitoring of the Site landfill cap and passive landfill gas venting, the source area remedies contain any soil contamination and ensure that no excess human health risks develop.

ICs in the form of Environmental Covenants which prevent disturbance of the cap and prohibit use of the Site property are in place. These ICs are being maintained and help to ensure protectiveness of the remedy and prevent exposure to contaminants. Site access and use is restricted by a fence with a locked gate. PRPs or their contractors regularly check and confirm that Site security is adequate. In addition, the vehicle storage area currently leased by WMIL has tenants who may report any trespassing or other improper use of the Site property. Early Indicators of Potential Remedy Failure. No early indicators of potential remedy failure were noted during the review. Maintenance activities have been consistent with expectations, and groundwater monitoring adequately assesses any contaminants in groundwater at the Site.

Implementation of Institutional Controls and Other Measures. The 1992 ROD included measures requiring the implementation of deed/access restrictions to prevent future development of the Site and ensures the integrity of the remedial action. ICs in the form of Environmental Covenants were implemented on October 10, 2012 and September 25, 2013 to prevent development and use of land within the Site property, prevent use of groundwater on-Site, ensure the integrity of the

landfill and other components of the remedial action, and restrict any land use that will interfere with the remedial action. In addition, O&M procedures maintain and prevent disturbance of the landfill cap, landfill gas vents, and Site fencing. As the owners of the Site property, the PRPs ensure the objectives of the ICs are met.

LTS procedures in the form of a written addition to the O&M plan will be developed. Since the completion of the Environmental Covenants, LTS procedures have been implemented and ensure long-term effectiveness of ICs. LTS includes the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures. In conjunction with reports to EPA, LTS updates will be submitted to EPA to document: (1) that the Site was inspected to ensure no inconsistent uses have occurred; (2) that ICs remain in place and are effective; and (3) that any necessary contingency actions have been executed. Results of IC reviews are provided to EPA as part of regular reports.

Current Use Compatibility with Land and Groundwater Use Restriction. Any use that interferes with the landfill cap would not be protective of human health and the environment. According to Site inspections, there is no current use of the former landfill area, which has restricted access by fencing with locked gates. Recreational and natural resource preservation use on adjacent parcels does not impact the Site's former landfill areas. The landfill cap must remain in place indefinitely to prevent exposure to underlying waste. Other than vehicle storage on the Mat-Con area, the PRPs ensure that the Site property is not being used for any purpose.

**Question B:** Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

Yes. The exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection are still valid. Land and groundwater use at the Site is still consistent with the assumptions used to determine where cleanup would be performed. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy. There have been no changes in expected land use at or near the Site, nor changes in human health exposure assumptions. There have been no changes in standards or to-be considereds (TBCs) for cleanup of Site contaminants since the 2014 FYR. Since the 2014 FYR, there have been no newly identified contaminants or unanticipated toxic byproducts. Toxicity information and risk assessment methodologies used in the Site's remedy decision have not changed.

Changes in Standards and TBCs. Standards outlined in the 1992 ROD are still valid at the Tri-County/Elgin Landfills Site and Site ICs remain effective. Standards, ARARs and/or TBCs were the basis for the Site cleanup goals. No new information has called into question the remedy cleanup goals. ARARs that were identified in the ROD have been met and maintained. As discussed in the 2014 FYR, the action level for arsenic for the Site was adjusted to 10 ppb. However since the 2014 FYR there have been no exceedances of this standard. There have been no other changes in these ARARs and no new standards or TBCs that may affect the protectiveness of the remedy.

Changes in Exposure Pathways. No changes in the Site conditions that affect exposure pathways were identified as part of the FYR. There are no current or known planned changes in the Site

land use. The groundwater monitoring program adequately assesses the Site groundwater plume. The exposure assumptions used to develop the Human Health Risk Assessment have not changed, and there is no new information that would support a change to these exposure assumptions.

Changes in Toxicity and Other Contaminant Characteristics. There have been no changes in the toxicity factors for the contaminants of concern that were used in the baseline risk assessment. The assumptions used in the risk assessment are considered to be conservative and reasonable in evaluating risk and developing risk-based cleanup levels.

Changes in Risk Assessment Methods. There has been no change to the standardized risk assessment methodology that could affect the protectiveness of the remedy. Risk assessment methodologies used at the Tri-County/Elgin Landfills Site since the 1992 ROD have not changed, and do not call into question the protectiveness of the remedy.

Expected Progress Towards Meeting RAOs. Remedial components put into place are successfully containing contaminants. RAOs have been met and maintained at some locations but not yet Site-wide.

**Question C:** Has any other information come to light that could call into question the protectiveness of the remedy?

No. Contaminant toxicity and exposure pathways that would affect the protectiveness of the remedy have not changed. There have been no newly identified ecological risks, nor have any natural disasters adversely impacted the Site remedy. No other events have affected the protectiveness of the remedy, and there is no other information that calls into question the short-term protectiveness of the remedy. The Site is owned and controlled by the PRPs, which ensures that the real estate remains unused.

## VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Table 4 shows recommendations and follow-up actions resulting from this FYR, as well as an approximate completion schedule.

Table 4: Issues/Recommendations	
OU(s) without Issues/Recommendations Identified in the Five-Year Review:	
None	
Issues and Recommendations Identified in the Five-Year Review:	
OU(s): 2 and	Issue Category: Institutional Controls

<b>3 (Site-wide)</b>	<b>Issue:</b> Documents and procedures should be developed and implemented to ensure that implemented ICs are effective and properly maintained, monitored, and enforced.			
	<b>Recommendation:</b> Develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).			
<b>Affect Current Protectiveness</b>	<b>Affect Future Protectiveness</b>	<b>Implementing Party</b>	<b>Oversight Party</b>	<b>Milestone Date</b>
No	Yes	PRP	EPA	Sept. 30, 2020

## VII. PROTECTIVENESS STATEMENTS

<b>O.U. #2 Protectiveness Statement(s)</b>	
<i>Operable Unit: 2</i>	<i>Protectiveness Determination:</i> Short-term Protective
<p><i>Protectiveness Statement:</i> For the Tri-County portion (O.U. #2) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).</p>	



<b>O.U. #3 Protectiveness Statement(s)</b>	
<i>Operable Unit: 3</i>	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Elgin portion (O.U. #3) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).	

<b>Sitewide Protectiveness Statement(s)</b>
<i>Sitewide Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap and gas collection and flare/passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).

## VIII. NEXT REVIEW

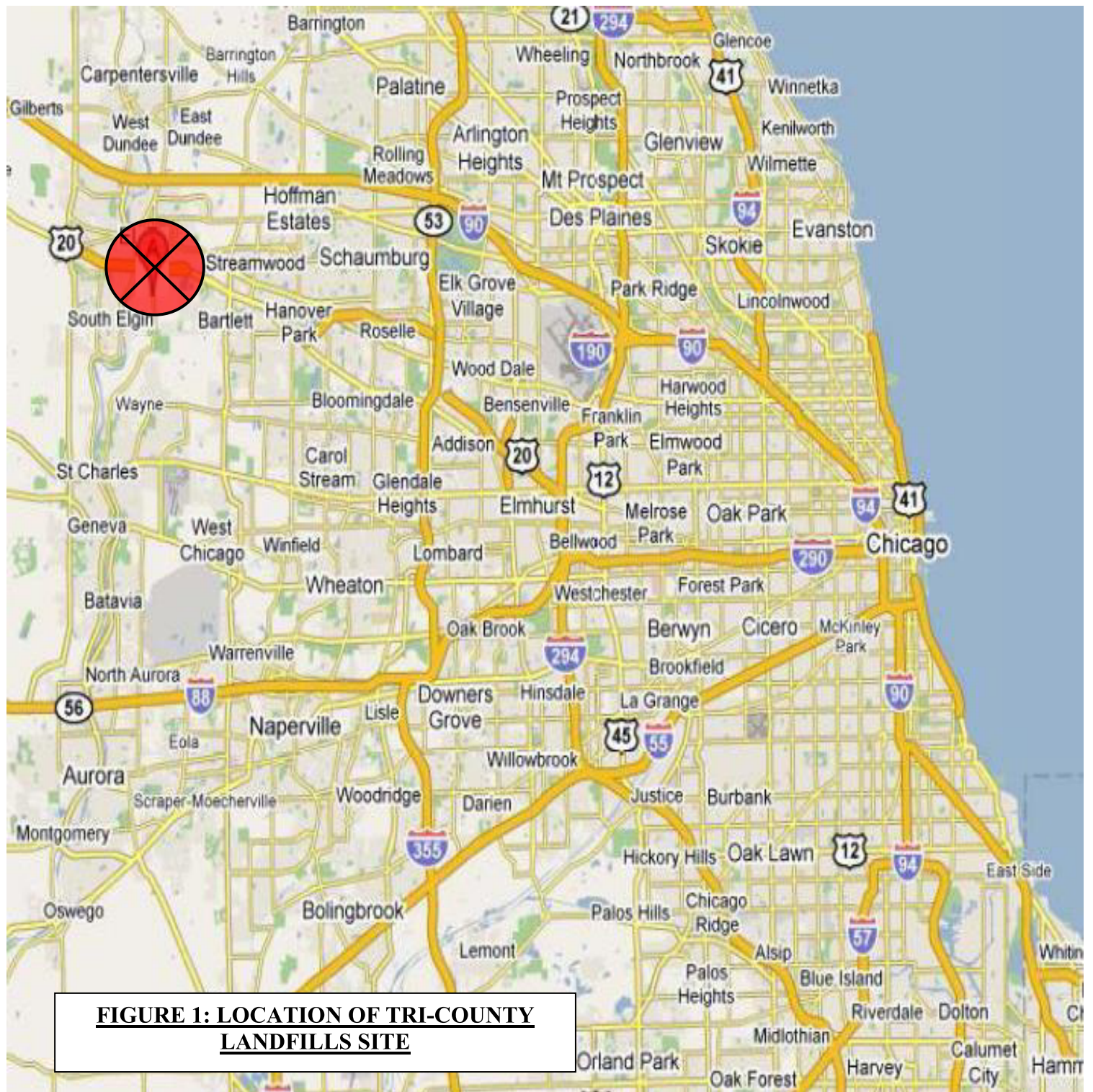
The next FYR report for the Tri-County Landfill Co./Waste Management Of Illinois, Inc. Superfund Site is required five years from the completion date of this review.

**APPENDIX A: List of Documents Reviewed for the Fourth Five Year Review Report;**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, IL**

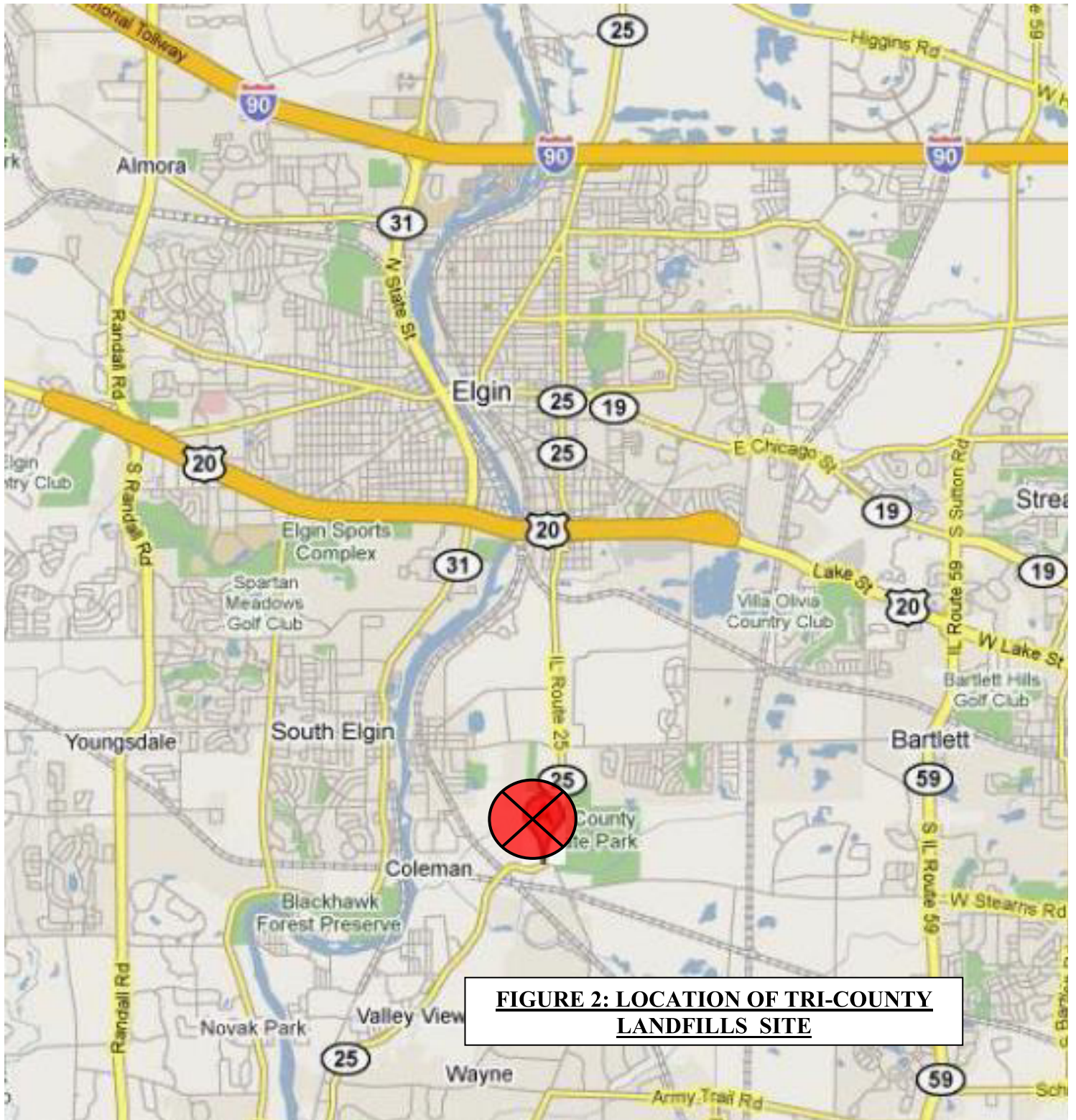
Site documents reviewed in preparation of this Five Year Review Report include the following:	
1.	Kane County Zoning Ordinance No. 76-29, dated March 9, 1976.
2.	Remedial Investigation Report for the Tri-County and Elgin Landfills; Elgin, IL (EPA Contract No. 68-W8-0079, Work Assignment No. 01-5L2G), dated May 1991.
3.	Record of Decision, signed September 30, 1992.
4.	Tri-County/Elgin Landfills Pre-design Report; Tri-County/Elgin Landfills; City of Elgin, Kane County, Illinois, dated February 1996.
5.	Explanation of Significant Differences #1, signed on June 25, 1996.
6.	Explanation of Significant Differences #2, signed on April 23, 1998.
7.	Unilateral Administrative Order For Remedial Design and Remedial Action, dated November 19, 1998.
8.	Explanation of Significant Differences #3, signed on July 14, 1999.
9.	Administrative Order for Remedial Design and Remedial Action for the Elgin Landfill Portion of the Site, signed on November 3, 1999.
10.	Administrative Order for Remedial Design and Remedial Action for the Tri-County Portion of the Site, signed on November 3, 1999.
11.	Revised Design Analysis, Elgin Landfill; Tri-County/ Elgin Landfills Superfund Site Elgin, Illinois, dated June 2000.
12.	Explanation of Significant Differences #4, signed on July 3, 2001.
13.	Preliminary Close-Out Report (PCOR) for the Tri-County/Elgin Landfills Superfund Site, signed November 1, 2001.
14.	Remedial Action Long-Term Groundwater Monitoring Program, Tri-County Landfill, dated January 2002.
15.	Operation and Maintenance Plan, Elgin Landfill Superfund Site, dated March 2003.
16.	First Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated Sept. 23, 2004.
17.	Second Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated Sept. 3, 2009.
18.	Quarterly Site Inspection Reports dated December 2008 through December 2013.
19.	2009 Annual Report: Tri-County and Elgin Landfills, June 2010.
20.	2010 Annual Report: Tri-County and Elgin Landfills, September 2011.
21.	EPA Form #9100-4: Superfund Property Reuse Evaluation Checklist For Reporting the Sitewide Ready-For-Anticipated Use GPRA Measure, dated September 26, 2013.
22.	Third Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated July 3, 2014.
23.	2014 Annual Report: Tri-County and Elgin Landfills, July 2015.
24.	2015 Annual Report: Tri-County and Elgin Landfills, July 2016.
25.	2016 Annual Report: Tri-County and Elgin Landfills, July 2017.
26.	2017 Annual Report: Tri-County and Elgin Landfills, August 2018.
27.	2018 Annual Report: Tri-County and Elgin Landfills, May 3, 2019.

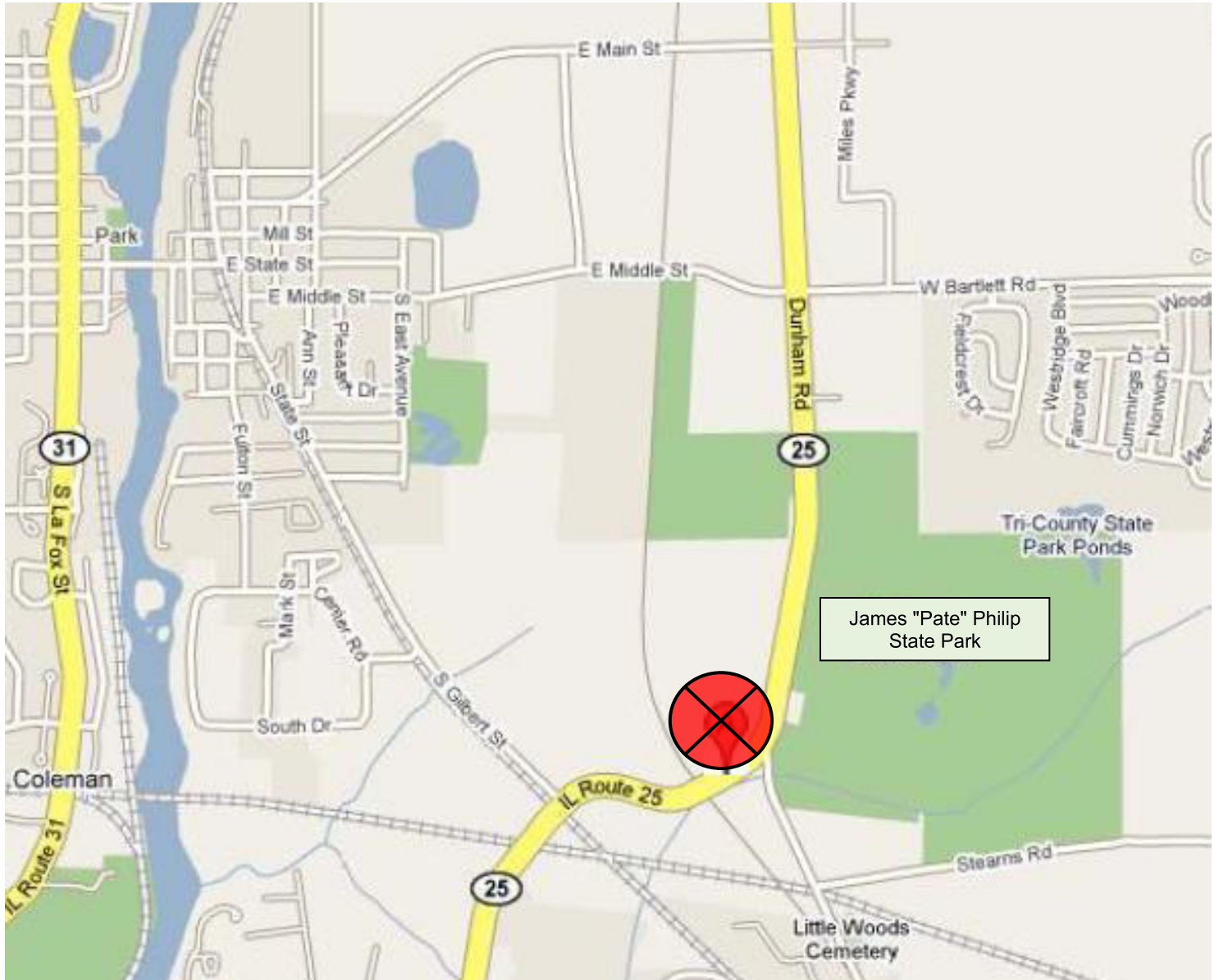
## **APPENDIX B: FIGURES AND TABLES**

Figure 1	Site Location Map: Local and State Location
Figure 2	Site Location Map: Local
Figure 3	Site Location Map: Local
Figure 4	Approximate Wells Locations and Sampling Locations
Figure 5	Landfill Gas Collection System: Tri-County Portion
Figure 6	Landfill Gas Collection System: Elgin Portion
Figure 7	Tri-County/Elgin Landfills: Real Estate Parcels
Figure 8	Five-Year Review Advertisement
Table 5	Chronology of Site Events
Table 6	Summary of Groundwater Sampling Results
Table 7	Site Inspection Checklist; 2019 Five Year Review







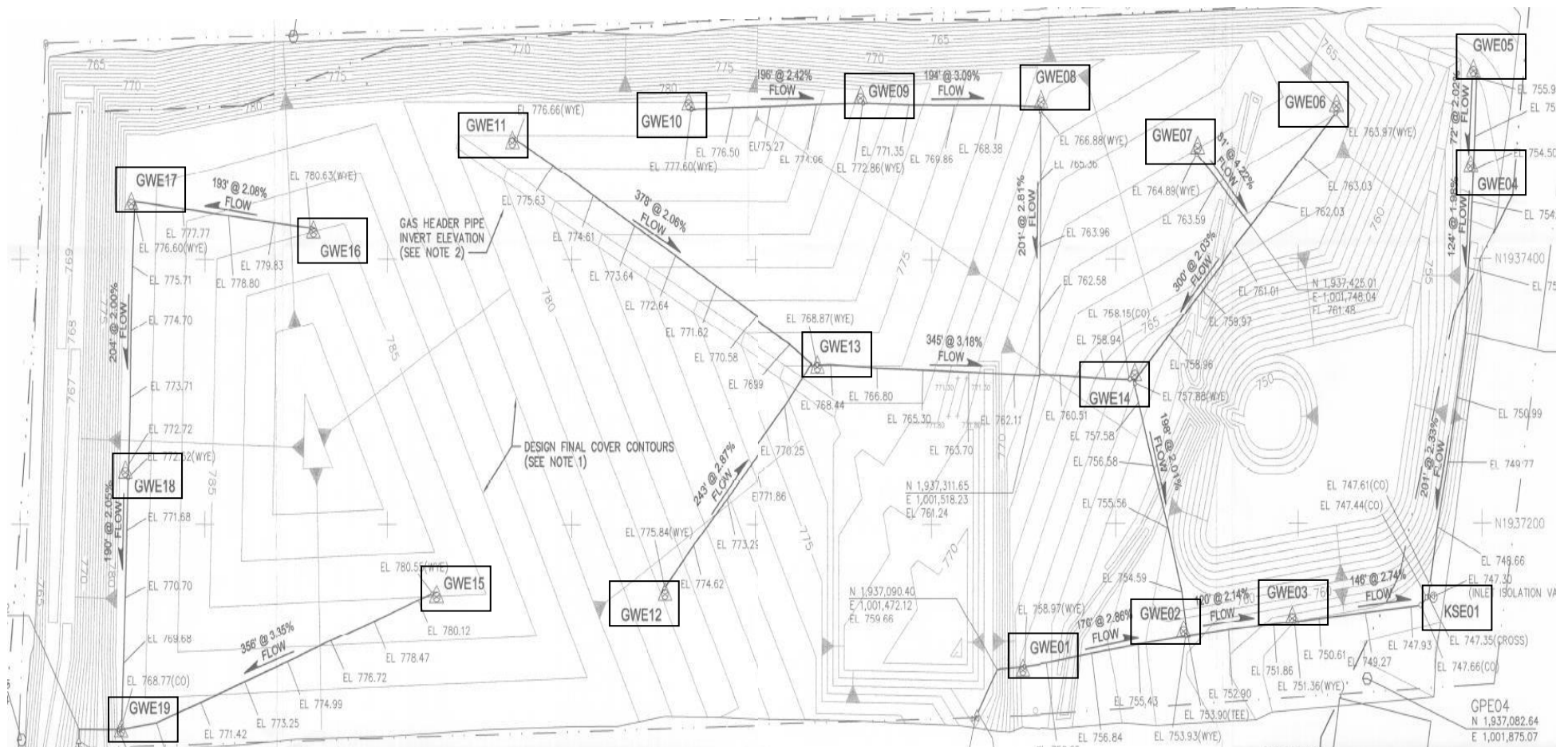


**FIGURE 3: LOCATION OF TRI-COUNTY  
LANDFILLS SITE**

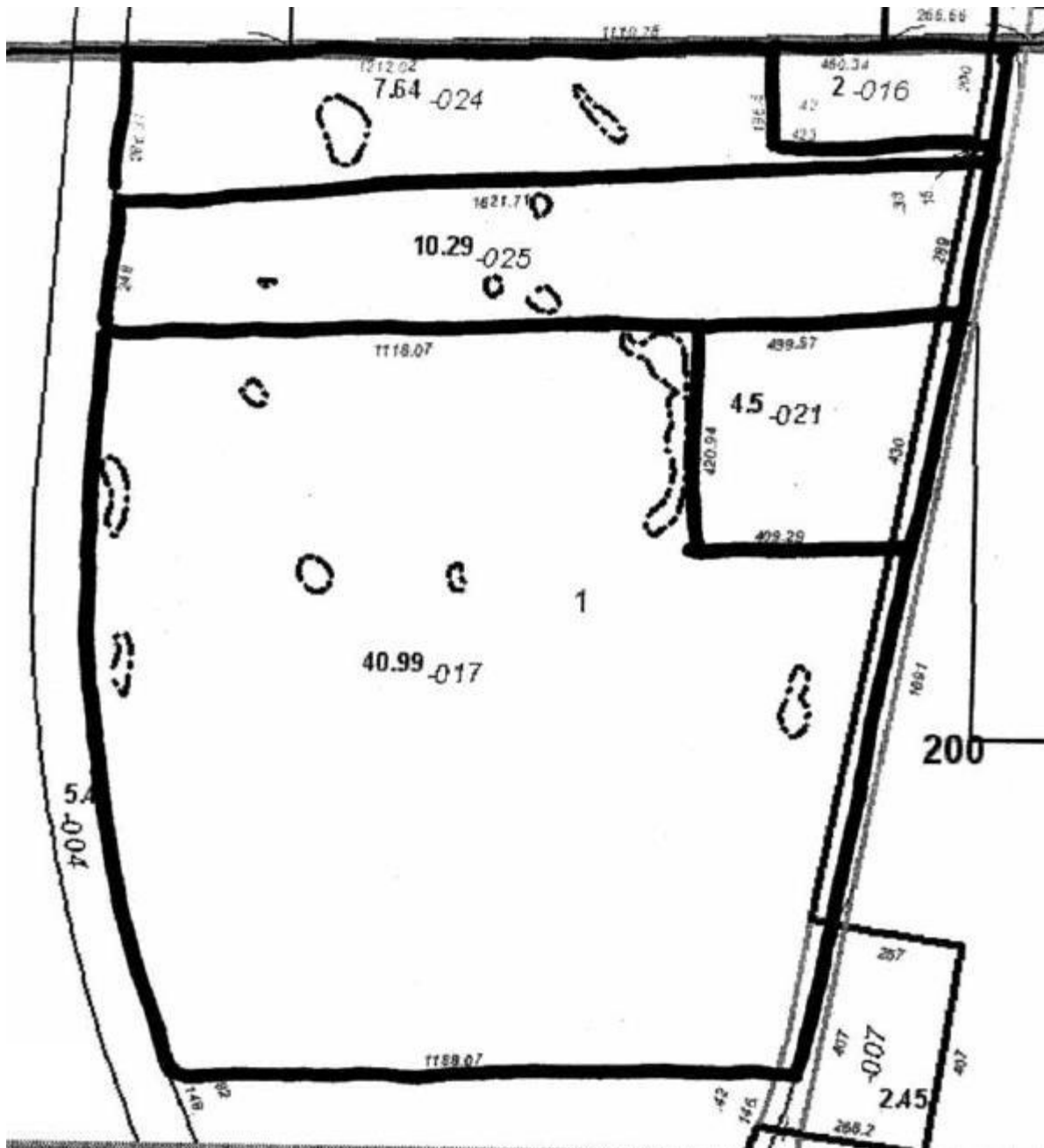








**FIGURE 6: LANDFILL GAS SYSTEM  
ELGIN PORTION**



**FIGURE 7:**

**TRI-COUNTY/ELGIN LANDFILLS SITE  
REAL ESTATE PARCELS DELINEATION**

\* As determined by U.S. EPA Title Search of May 2005

**FIGURE 8 - Five Year Review Advertisement**



**EPA Begins Review  
Of Tri-County/Elgin Landfill Superfund Site  
Elgin, Illinois**

The U.S. Environmental Protection Agency is conducting a five-year review of the Tri- County/Elgin Landfill Superfund site, 7N904 Illinois Route 25, Elgin. The Superfund law requires regular checkups of sites that have been cleaned up – with waste managed on-site – to make sure the cleanup continues to protect people and the environment. This is the fourth review of the site.

U.S. EPA's original cleanup included grading of the land contour to control precipitation runoff and infiltration; protection of the future use of the land; an impermeable landfill cap over 66 acres including landfill gas collection and treatment; operation and maintenance of the cap and site fencing; and monitoring of groundwater at the site.

More information is available at the Gail Borden Public Library, 270 N. Grove Ave., Elgin, and at <https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0500340>. The review should be completed this July.

The five-year-review is an opportunity for you to tell U.S. EPA about site conditions and any concerns you have. Contact:

**Cheryl Allen**

Community Involvement  
Coordinator  
312-353-6196  
[allen.cheryl@epa.gov](mailto:allen.cheryl@epa.gov)

**John Fagiolo**

Remedial Project Manager  
312-886-0800  
[fagiolo.john@epa.gov](mailto:fagiolo.john@epa.gov)

You may also call U.S. EPA toll-free at 800-621-8431, 8:30 a.m. to 4:30 p.m., weekdays.

**TABLE 5: SITE CHRONOLOGY**  
**TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**  
**FOURTH FIVE YEAR REVIEW**

Event	Date
Waste Disposal Operations at Tri-County Landfill.	1968 - 1976
Waste Disposal Operations at Elgin Landfill.	1961 - 1976
Initial discovery of contamination.	May 1971
Cease and Desist Order – Illinois Pollution Control Board (IPCB).	April 12, 1973
Site placed on National Priorities List (NPL).	March 31, 1989
U.S. EPA Remedial Investigation/Feasibility Study (RI/FS) complete.	July 24, 1992
Record of Decision (ROD) signature.	September 30, 1992
Administrative Order on Consent (AOC) with WMIL and BFI (now RSI).	February 2, 1994
Pre-Design Investigation (PDI) Report complete.	January 19, 1996
Explanation of Significant Differences (ESD) - #1.	June 25, 1996
Remedial Design (RD) complete.	September 30, 1997
ESD - #2.	April 23, 1998
Unilateral Administrative Order (UAO) for RA: WMIL/Tri-County LF Co.	September 24, 1998
UAO for RA issued to BFI.	November 19, 1998
Removal Work Plan/Notice of Authorization to Proceed with RA.	May 25, 1999
AOC <i>de minimis</i> .	June 11, 1999
ESD - #3.	July 14, 1999
UAO to BFI (later AWI, now RSI).	November 3, 1999
UAO to WMIL and Tri-County Landfill Company.	November 3, 1999
Consent Decree for Settlement of Claims Against 26 Municipal Solid Waste Generators Entered in U.S. District Court.	July 12, 2000
RA complete: Tri-County Landfill.	September 30, 2000
ESD - #4.	July 3, 2001
RA complete: Elgin Landfill.	November 1, 2001
Preliminary Closeout Report (PCOR) is signed.	November 1, 2001
First Five Year Review Report is signed.	September 23, 2004
Consent Decree for Payment of Response Costs: AWI (now RSI), WMIL.	May 16, 2007
Second Five Year Review Report is signed.	September 3, 2009
PRPs request change from "active" LFG vacuum collection and flaring to "passive" atmospheric venting system.	February 20, 2012
WMIL discontinues use of (former) vehicle and container storage facility located on-site.	Summer 2012
EPA issues "Memorandum to Site File" documenting and approving changing the LFG system to a passive venting design.	January 31, 2013
RSI completes purchase of (former) Pingel property through Kane County property tax delinquency process.	August 2013
Final Restrictive Covenant for the Site is recorded in Kane County.	September 25, 2013
Site achieves Sitewide Ready for Anticipated Use status.	September 26, 2013
PRPs complete conversion of LFG system to passive atmospheric venting.	Fall 2013
Third Five Year Review Report is signed.	January 6, 2014
Fourth Five Year Review is started.	November 30, 2018
Site inspection by WMIL, RSI (formerly BFI), IEPA, and U.S. EPA.	May 29, 2019

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
TRI-COUNTY PORTION									
G-112	Chloride	ug/L	28,400	560,000	679,000	673,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,090,000*	1,750,000	1,690,000	2,170,000	500,000****	1,200,000	1,200,000
G-135	Dissolved Solids	ug/L	723,000	457,000*****	452,000	349,000	500,000****	1,200,000	1,200,000
G-142	Chloride	ug/L	685,000	445,000	438,000	416,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,630,000	1,420,000	1,280,000	1,410,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	1,260	2,100*****	1,100	380	300****	5,000	5,000
MW-1-S	Dissolved Solids	ug/L	782,000	638,000*****	461,000	478,000	500,000****	1,200,000	1,200,000
MW-1-I-1	Dissolved Solids	ug/L	502,000	756,000*****	901,000	1,020,000	500,000****	1,200,000	1,200,000
MW-1-I-2	Nitrite (as N)	ug/L	3,400	< 500*****	220	50	1,000		
MW-1-DR	Chloride	ug/L	124,000	64,600*****	71,100	80,500	250,000****	200,000	200,000
	Dissolved Solids	ug/L	571,000	486,000*****	493,000	521,000	500,000****	1,200,000	1,200,000
MW-2-SR	Aluminum	ug/L	246	330*****	60	60	50****		
	Dissolved Solids	ug/L	1,210,000	867,000*****	639,000	567,000	500,000****	1,200,000	1,200,000
	Manganese	ug/L	170	79*****	2.4	1	50****	150	10,000
	Nickel	ug/L	109	240	4	4	-	100	2,000
	Nitrate	ug/L	9,200	< 500*****	17,400	3,640	10,000	10,000	10,000
	Sulfate	ug/L	550,000	157,000*****	204,000	156,000		400,000	
MW-2-IR	Aluminum	ug/L	47.5	200*****	60	60	50****		
	Iron	ug/L	1,240	2,000*****	2,600	810	300****	5,000	5,000
MW-5-SR	Dissolved Solids	ug/L	508,000	440,000*****	262,000	278,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	1,650	1,500*****	1,100	1,700	300****	5,000	5,000
	Manganese	ug/L	428	420	240	260	50****	150	10,000
MW-5-IR	Aluminum	ug/L	54.6	100*****	240	71	50****		
	Dissolved Solids	ug/L	370,000	341,000*****	209,000	396,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	2,330	1,500*****	1,800	1,800	300****	5,000	5,000

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\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
MW-6-S	Arsenic	ug/L	20	15	< 10 *	< 10	10	50	200
	Chloride	ug/L	342,000	129,000 *****	295,000	214,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,110,000	774,000 *****	985,000	956,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	12,900	11,500	14,200	12,400	300****	5,000	5,000
	Manganese	ug/L	356	410	700	590	50****	150	10,000
MW-6-I	Aluminum	ug/L	151	1,700 *****	170	60	50****		
	Chloride	ug/L	234,000	125,000 *****	146,000	122,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	886,000	595,000 *****	577,000	587,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	7,510	9,900	4,400	5,400	300****	5,000	5,000
	Manganese	ug/L	47.6	90*****	33	36	50****	150	
MW-10-S	Aluminum	ug/L	16,300	8,800 *****	690	150	50****		
	Manganese	ug/L	2,590	200	100	26	50****	150	10,000
	Iron	ug/L	22,400	1,200 *****	970	260	300****	5,000	5,000
	Lead	ug/L	15.9	< 5*****	< 5	< 5	15	8	
MW-10-I	Aluminum	ug/L	262	1,900 *****	4,200	11,400	50****		
	Iron	ug/L	338	1,500 *****	2,600	7,500	300****	5,000	5,000
	Manganese	ug/L	102	75*****	73	100	50****	150	10,000
MW-12-SR	Arsenic	ug/L	20	23	< 10	< 10	10	50	200
	Dissolved Solids	ug/L	373,000	402,000 *****	365,000	286,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,610	4,000 *****	2,000	2,500	300****	5,000	5,000
	Manganese	ug/L	317	400	380	420	50****	150	10,000
MW-12-IR	Arsenic	ug/L	20	28	< 10	< 10	10	50	200
	Chloride	ug/L	296,000	67,200 *****	298,000	286	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,020,000	441,000 *****	946,000	1,050,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	3,350	6,800	1,900	770	300****	5,000	5,000
	Manganese	ug/L	76.3	79*****	48	32	50****	150	10,000
	Chromium (total)	ug/L	105	140	300	30	100	100	
	Nickel (total)	ug/L	209	110	170	98	-	100	2,000
MW-13-IR	Aluminum	ug/L	30	< 60 *****	< 60	< 60	50****		
	Dissolved Solids	ug/L	838,000	483,000 *****	468,000	520,000	500,000*****	1,200,000	1,200,000

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\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.



**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
	Iron	ug/L	1,820	1,200 *****	1,100	1,200	300****	5,000	5,000
	Manganese	ug/L	76.9	43 *****	35	33	50****	150	10,000
MW-25-S	Dissolved Solids	ug/L	784,000	541,000 *****	436,000	431,000	500,000*****	1,200,000	1,200,000
MW-38-S	Aluminum	ug/L	643	60*****	6,200	2,400	50****		
	Chromium (total)	ug/L	374	110	1,700	1,900	100	100	1,000
	Dissolved Solids	ug/L	547,000	530,000 *****	338,000	314,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,880	660*****	15,700	43,300	300****	5,000	5,000
	Manganese	ug/L	272	6.8*****	1,100	860	50****	150	10,000
MW-39-S	Aluminum	ug/L	242	120*****	2,000	220	50****		
	Dissolved Solids	ug/L	543,000	505,000 *****	762,000	498,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	561	540*****	8,100	5,700	300****	5,000	5,000
	Manganese	ug/L	1,020	1,100	2,200	1,800	50****	150	10,000
MW-39-I	Aluminum	ug/L	77.9	340*****	110	60	50****		
	Dissolved Solids	ug/L	574,000	576,000 *****	622,000	634,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	190	770*****	840	650	300****	5,000	5,000
	Manganese	ug/L	269	250	200	230	50****	150	10,000
MW-40-DR	Aluminum	ug/L	33.4	< 60 *****	71	60	50****		
	Arsenic	ug/L	38.6	13	< 10 *	24	10	50	200
	Chloride	ug/L	712,000	383,000	417,000	474,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,630,000	1,360,000	1,770,000	1,570,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	15,600	5,900	3,300	9,800	300****	5,000	5,000
	Manganese	ug/L	151	140*****	54	67	50****	150	10,000
MW-41-S	Dissolved Solids	ug/L	1,420,000	806,000 *****	436,000	1,450,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,760	1,700 *****	480	600	300****	5,000	5,000
	Manganese	ug/L	730	870	140	180	50****	150	10,000
	Nitrate (as N)	ug/L	39,100	1,880 *****	29,300	38,700	10,000	10,000	10,000
	Sulfate	ug/L	414,000	113,000 *****	363,000	296,000	250,000*****	400,000	400,000
PW-07 (Private Well)	Arsenic	ug/L	20	16	< 10	< 10	10	50	200
	Chloride	ug/L	506,000	878,000	789,000	837,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,140,000	2,550,000	2,250,000	2,590,000	500,000*****	1,200,000	1,200,000
	PW-07: Iron	ug/L	113	15,000	11,000	540	300****	5,000	5,000
PW-09	Iron	ug/L	317	2,600 *****	1,600	2,100	300****	5,000	5,000

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\*\*\* NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
PW-22	Chloride	ug/L	Well not present as per 2006 Report (formerly at Arc Disposal)	NA	117,000	135,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L			655,000	661,000	500,000****	1,200,000	1,200,000
	Iron	ug/L			950	1,100	300****	5,000	5,000
PW-23	Iron	ug/L	68	3,100 *****	1,500	2,700	300****	5,000	5,000
	Chloride	ug/L	277,000	276,000	296,000	320,000	250,000****	200,000	200,000
	Manganese	ug/L	3.4	1,500	1,700	39	50****	150	10,000
<b>ELGIN PORTION</b>									
Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL	IL GW Quality Standards	
								Class I	Class II
G-111	Chloride	ug/L	398,000	296,000	310,000	336,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,290,000	1,390,000	1,220,000	1,310,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	354	260*****	170	97	50****		
	Iron	ug/L	8,880	8,700	7,500	7,000	300****	5,000	5,000
G-141	Iron	ug/L	3,030	3,000 *****	3,500	1,800	300****	5,000	5,000
MW-9-S	Dissolved Solids	ug/L	676,000 *	872,000 *****	594,000	459,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	210,000 *	NA ***	< 60	-	50****		
	Iron	ug/L	1,590 *	NA ***	NA	0	300****	5,000	5,000
MW-9-I	Dissolved Solids	ug/L	796,000 *	934,000	904,000 *	903,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	- *	NA	NA	-	50****		
	Iron	ug/L	- *	NA	NA	0	300****	5,000	5,000
MW-9-D	Iron	ug/L	- *	NA	1,100	630	300	5,000	5,000
MW-20-S	Chloride	ug/L	471,000 *	550,000	510,000 *	63,600	250,000	200,000	200,000
	Chromium (total)	ug/L	25.7 *	2,600	12,800 *	210	100	100	1,000
	Dissolved Solids	ug/L	- *	1,800,000	1,470,000 *	612,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	- *	14,000	6,500 *	510	300****	5,000	5,000
	Manganese	ug/L	632 *	670	560 *	29	50****	150	10,000
	Nickel	ug/L	40 *	660	490 *	87	-	100	2,000
MW-22-I	Chloride	ug/L	48,100	80,200 *****	67,400	21,600	250,000	200,000	200,000
	Dissolved Solids	ug/L	654,000	672,000 *****	629,000	537,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	338	< 60 *****	1,100	280	50****		
	Arsenic	ug/L	9.92	8.7*****	9.6	6.5	10	50	200
	Iron	ug/L	7,900	7,200	6,300	4,400	300****	5,000	5,000
	Manganese	ug/L	142	180	350	280	50****	150	10,000

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\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
MW-23-I	Chloride	ug/L	321,000	187,000 *****	191,000	188,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,160,000	936,000 *****	820,000	930,000	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L	195	88*****	9,400	280	50*****		
	Iron	ug/L	1,700	2,600 *****	16,500	2,900	300*****	5,000	5,000
	Manganese	ug/L	70.7	82*****	440	54	50*****	150	10,000
MW-24-S	Dissolved Solids	ug/L	612,000	599,000 *****	655,000	624,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,740	3,000 *****	7,300	140	300*****	5,000	5,000
	Manganese	ug/L	508	450	1,000	11	50*****	150	10,000
	Nickel	ug/L	188	150	190	15	-	100	2000
	Nitrate/Nitrite (as N)	ug/L	-	580*****	NA	3,570	1,000	10,000	10,000
	Chromium	ug/L			120	< 5	100	100	1,000
MW-34-S	Dissolved Solids	ug/L	Well has been abandoned. (as per 2006 Ann. Report)	NA	NA	NA	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L					50*****		
	Iron	ug/L					300*****	5,000	5,000
	Manganese	ug/L					50*****	150	10,000
	Nitrate/Nitrite (as N)	ug/L					1,000*****	10,000	10,000
MW-36-I	Chloride	ug/L	401,000	265,000	310,000	273,000	250,000*****	200,000	200,000
	Chromium	ug/L		120	24	26	100	100	1,000
	Dissolved Solids	ug/L	1,320,000	1,200,000	1,150,000	1,020,000	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L	30	65*****	< 60	< 60	50*****		
	Iron	ug/L	9,750	10,100	9,900	11,100	300*****	5,000	5,000
	Manganese	ug/L	314	260	230	210	50*****	150	10,000
	Nickel	ug/L	18.7	68*****	31	21	-	100	2000
MW-36-S	Nickel	ug/L		150	NA	240	-	100	2000
	Chromium	ug/L			170	280	100	100	1,000
MW-36-D	Aluminum	ug/L	104	140*****	190	130	50*****		
	Manganese	ug/L	377	730	650	720	50*****	150	10,000
MW-38-I	Aluminum	ug/L	183	120*****	88	< 60	50*****		
	Iron	ug/L	1,020	930*****	910	890	300*****	5,000	5,000
MW-38-D	Aluminum	ug/L	46.4	<60*****	< 60	< 60	50*****		
	Iron	ug/L	1,950	1,800 *****	890	1,900	300*****	5,000	5,000
	Manganese	ug/L	199	190	150	160	50*****	150	10,000

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\*\*\* NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

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\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 7: Fourth Five Year Review Site Inspection Checklist  
TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE: MAY 2019**

I. SITE INFORMATION	
Site name: TRI-COUNTY/ELGIN LANDFILLS	Date of inspection: WED., MAY 29, 2019
Location and Region: ELGIN, ILLINOIS. U.S. EPA REGION 5	EPA ID: ILD 048 306 138; Spill ID # 052G
Agency, office, or company leading the five-year review: U. S. ENVIRONMENTAL PROTECTION AGENCY; REGION 5 CHICAGO	Weather/temperature: OVERCAST, OCCASIONAL LIGHT RAIN. WIND 5-10 MPH. TEMP. 65-75 DEG. F
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Landfill cover/containment  <input checked="" type="checkbox"/> Access controls  <input checked="" type="checkbox"/> Institutional controls  <input type="checkbox"/> Groundwater pump and treatment  <input type="checkbox"/> Surface water collection and treatment  <input checked="" type="checkbox"/> Other: <u>Long term groundwater monitoring; Landfill gas (LFG) collection with passive venting and an intermittent open flare if needed. As of late 2013, LFG is vented to the atmosphere. The vacuum system and LFG flare are still maintained in the event they may be needed in future. Surface water gravity drains to wetland collection / infiltration area.</u> </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Monitored natural attenuation  <input type="checkbox"/> Groundwater containment  <input type="checkbox"/> Vertical barrier walls </div> </div>	
<b>Attachments:</b> <input type="checkbox"/> Inspection team roster attached <input checked="" type="checkbox"/> Site map attached (Figures 4-6)	
II. INTERVIEWS / PARTICIPANTS (Check all that apply)	
<b>1. O&amp;M site manager</b> <b>A. <u>Waste Management, Inc. of Illinois (WMIL): Michael Peterson, P.E., Proj. Mgr., Closed Landfill Sites. W124N9355 Boundary Road; Menomonee Falls, WI 53051. 262-509-5638; FAX: 262-255-3798; email: "mpeterso2@wm.com"</u></b>  <b>B. <u>Republic Services, Inc. (RSI, formerly Allied Waste or AWI, formerly Browning Ferris or BFI).</u></b> <u>NOTE: For the purposes of this five-year review, it is RSI.</u> <b>Eric Ballenger, Hydrogeologist.</b> <b>26 W. 580 Schick Road; Hanover Park, IL 60133.</b> <b>630-894-9095; FAX: 630-894-9089; email: "EBallenger@republicservices.com"</b>  Interviewed <input checked="" type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail and in person on site.</u>	
<b>2. O&amp;M staff:</b> <b><u>A. RSI: Blue Flame Crew LLC; Dan Sawyer, Project Manager. P.O. Box 525; Naperville, IL 60566.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail and in person on site.</u> Phone no. <u>(630) 639-7266; FAX (630) 585-0581. email: "DSawyer@blueflameco.com"</u>  <b><u>B. WMIL: SCS Engineers; Michael Prattke, Division Manager.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail.</u> <b><u>N84 W13540 Leon Rd.; Menomonee Falls, Wisconsin 53051</u></b> Phone no. <u>(262) 345-1220; Fax: (262)345-1224; email: "MPrattke@scsengineers.com"</u>  <b><u>C. WMIL (adjacent to site): Woodland Recycling Disposal Facility (RDF): Mr. Mike Drendel, Operations Mgr.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>Through M. Peterson of WMIL.</u> Phone no. <u>(847) 841-7208, (847) 741-0219</u>	
Problems, suggestions: <u>The contractors for WMIL and RSI were not present but were consulted prior to this inspection. WMIL (SCS) and RSI (Blue Flame) consult with their O&amp;M contractors at a minimum quarterly.</u>	

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

**A. Agency Illinois Environmental Protection Agency (IEPA)**

Contact Chris M. Peters, Project Manager; Federal Site Remediation Section;

1021 North Grand Avenue East; P.O. Box 19276; Springfield, IL 62794-9276.

Phone: (217) 785-6309; email: Christopher.M.Peters@illinois.gov

Problems; suggestions:

None.

**B. Agency Illinois Environmental Protection Agency (IEPA)**

Contact \_\_\_\_\_

Problems; suggestions:

**NOTE: No other interviews were conducted with any local regulatory authorities and response agencies. As of May 29, 2019, no comments have been received by U.S. EPA as a result of the public notice (Daily Herald) and no problems were reported to U.S. EPA or IEPA in the past 5 years.**

4. **Other interviews** (optional): None.

**III. ON-SITE DOCUMENTS & RECORDS VERIFIED** (Check all that apply)

1. **O&M Documents**

O&M manual	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
As-built drawings	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
Maintenance logs	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A

Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. These documents are located on site at the WMIL building. Copies are present at WMI and RSI offices and the offices of their contractors.**

2. **Site-Specific Health and Safety Plan**

<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A	
<input type="checkbox"/> Contingency plan/emergency response plan	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A

Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are in the office of the WMIL building, and at WMIL and RSI offices and the offices of their contractors.**

3. **O&M and OSHA Training Records**

<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
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Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are in the office of the WMIL Woodland facility, and at WMIL and RSI offices and the offices of their contractors.**

4. **Permits and Service Agreements**

Air discharge permit	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Effluent discharge	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Waste disposal, POTW	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Other permits _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A

Remarks: **There are no permits required for this Site or the adjacent property because gas levels have consistently been below required criteria. If the LFG flare is needed in future, the only permit present is the Title V Air Permit, Permit Number: 95090109 (Facility ID: 089813AAJ; Facility SIC Code: 4953); which is the air permit for the adjacent Woodland RDF flare. Until the Tri-County/Elgin Landfills LFG system was converted to "passive" venting in late 2013, both the Site and adjacent properties' systems were in compliance since the last Five Year Review in 2009.**

5.	<b>Gas Generation Records</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A	Remarks: <u>All of these documents were confirmed to be available at the office locations of the O&amp;M contractor (Blue Flame LLC, and SCS Engineers). Gas generation records are submitted to WMIL and RSI at least quarterly and summarized in inspection reports. These records are permanently stored by WMI and RSI. More frequent reporting of gas generation information is available if needed.</u>
6.	<b>Settlement Monument Records</b>	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A	Remarks: <u>There are no settlement monuments at the Tri-County/Elgin Landfills Site.</u>
7.	<b>Groundwater Monitoring Records</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A	Remarks: <u>All of the above listed documents were confirmed to be available at the office locations of the O&amp;M contractors and WMIL and RSI. Groundwater sampling data are submitted to WMIL, U.S. EPA, and RSI on an annual basis and these records are permanently stored.</u>
8.	<b>Leachate Extraction Records</b>	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A	Remarks: <u>No leachate collection or treatment except for condensate run-off collected at the underground tank on the Woodland Hills property. The tank is emptied with vacuum truck approximately every 2 to 3 years. The tank was cleaned out in 2014.</u>
9.	<b>Discharge Compliance Records</b> <input type="checkbox"/> Air <input type="checkbox"/> Water (effluent)	<input type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A	Remarks: <u>There are no discharges from the Tri-County/Elgin Landfills Site.</u>
10.	<b>Daily Access/Security Logs</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A	Remarks: <u>Site access is restricted by perimeter fencing, gates, signs, and occasional (quarterly) personnel at the WMIL and RSI properties. The only site access is through the gate at Illinois Route 25, with all other gate entrances permanently locked daily. Security records prior to 2012 (when WMIL ceased using the buildings on Site) are available upon request.</u>

IV. O&M COSTS	
1.	<b>O&amp;M Organization</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> State in-house  <input checked="" type="checkbox"/> PRP in-house  <input type="checkbox"/> Federal Facility in-house  <input type="checkbox"/> Other _____         </div> <div style="width: 45%;"> <input type="checkbox"/> Contractor for State  <input checked="" type="checkbox"/> Contractor for PRP  <input type="checkbox"/> Contractor for Federal Facility         </div> </div>

2. **O&M Cost Records**  
☒ Readily available      ☒ Up to date  
☐ Funding mechanism/agreement in place      ☐ Breakdown attached
- ☒ Original O&M cost estimate: Page 34 of the 1992 ROD shows a net present worth of \$12,624,000 and annual estimated cost of \$ 243,500 for the remedy selected.
- Total annual cost by year for review period if available  
 From : 2009 To: 2014 ; Approx. \$100,000-120,000 annually, average      ☐ Breakdown attached  
           Date                      Date                      Total cost
- NOTE: Average site annual costs are approximately \$90,000 to \$130,000, not including WMIL and RSI payment of U.S. EPA Oversight Costs. Average cost is cited here because site costs fluctuate depending on the degree of repair/upgrade to remedy components implemented for each year. This total reflects O&M and site sampling over the past 5 years.
3. **Unanticipated or Unusually High O&M Costs During Review Period**  
 Describe costs and reasons: None.

**V. ACCESS AND INSTITUTIONAL CONTROLS**      ☒ Applicable      ☐ N/A

**A. Fencing**

1. **Fencing damaged**      ☐ Location shown on attached drawing      ☒ Gates secured      ☐ N/A  
 Remarks: A small portion of fencing was damaged near the former Flare area. Site PRPs assured EPA and IEPA that repairs would be made shortly after the inspection. Site access is restricted by site security measures, perimeter fencing, and locked gates. The only site access is through the WMIL Equipment Storage Facility from Illinois Route 25. The site is locked/secured and WMIL personnel are present at the adjacent Woodland Hills facility. Operations contractors visit the site quarterly and inspect the site and site perimeter during each visit.

**B. Other Access Restrictions**

1. **Signs and other security measures**      ☐ Location shown on site map      ☐ N/A  
 Remarks: Signage is present generally every 150 to 200 feet on perimeter fencing and at all locked access gates. Security is provided by quarterly inspections and WMIL personnel working adjacent to the site. A current, valid, EPA Region 5 Toll-Free telephone number is posted on each sign. Site signage may be updated as a result of this Five Year Review Site Inspection.



**C. Institutional Controls (ICs)****1. Implementation and enforcement**

Site conditions imply ICs not properly implemented

☐ Yes ☒ No ☐ N/A

Site conditions imply ICs not being fully enforced

☐ Yes ☒ No ☐ N/AType of monitoring (e.g., self-reporting, drive by) Site InspectionFrequency QuarterlyResponsible party/agency WMIL and RSIContact SEE POINTS OF CONTACT IN SECTION II OF THIS FORM

Name

Title

Date

Phone no.

Reporting is up-to-date

☒ Yes ☐ No ☐ N/A

Reports are verified by the lead agency

☒ Yes ☐ No ☐ N/A

Specific requirements in deed or decision documents have been met

☒ Yes ☐ No ☐ N/A

Violations have been reported

☐ Yes ☐ No ☒ N/AOther problems or suggestions: ☐ Report attached

NOTE: Institutional Controls have been implemented. On September 25, 2013, the Kane County Register of Deeds recorded the signed document "Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Superfund Site" for a parcel of property within the O.U. #3 area. This document was the final IC required for the Site and September 25, 2013 is the date on which ICs were successfully completed. The Site has been zoned as Special Use (SU) by Kane County, Illinois, which means that special application and public meetings must take place before any attempt at changing the intended use of the site properties is attempted.

**2. Adequacy**☒ ICs are adequate☐ ICs are inadequate☐ N/A

Remarks: Institutional Controls were implemented on 10/10/12 and 9/25/13 and are effective. There is no evidence of trespassing or unacceptable uses of the Site property, site access is restricted and site security is in place and effective.

**D. General****1. Vandalism/trespassing**☐ Location shown on site map☒ No vandalism evident

Remarks: \_\_\_\_\_

**2. Land use changes on site**☒ None☐ N/A

Remarks: Since 2007, WMIL no longer uses the northeast corner of the Tri-County portion for waste transfer. WMIL leases this area to a tenant that uses the area only for vehicle storage. No other land use changes are anticipated or desired for the next 5-year period (to 2024).

**3. Land use changes off site**☒ None☐ N/A

Remarks: Stearns Road to the south and east of the site was extended west (near the southern boundary of the Site), to intersect Randall Road. This Stearns Road Bridge Corridor project was completed in December 2010. Residential properties closest to the Site were approximately 1000 feet to the southeast of the Site and were purchased by the State of Illinois to facilitate this roadway construction project. Property to the east and north is under the control of the Illinois Department of Natural Resources (IDNR). Property to the west (Woodland RDF) is owned by WMIL. Property to the south is approximately 200 feet away and is owned by Chicago Elmhurst Stone and Gravel for industrial use. RSI which is now Republic Services, owns the ARC Disposal subsidiary, which is the property immediately adjacent to the southern boundary of the site. This (former) ARC Disposal property is not regularly inhabited. Except for completion of the Stearns Road project, these Land Uses have not changed since the last Five Year Review in 2009.

VI. GENERAL SITE CONDITIONS			
A. Roads <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Roads damaged</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Roads adequate <input type="checkbox"/> N/A
Remarks: _____			
B. Other Site Conditions			
Remarks: <b><u>"Other Site Conditions" Section of this Form is being used to summarize remedy components that are not shown in the Site Inspection Checklist Template.</u></b>			
2.	<b>Electrical Enclosures and Panels; Landfill Gas and Ground Flare</b> (properly rated functional)		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs Maintenance
Remarks: <b><u>Equipment is not in use however there are no signs of inordinate vandalism or disrepair.</u></b>			
3.	<b>Tanks, Vaults, Storage Vessels; Leachate Holding Tank and Off-Loading Pad</b>		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input checked="" type="checkbox"/> Proper containment <input type="checkbox"/> Needs Maintenance
Remarks: <b><u>Condensate knock-out tanks and appurtenances are all in good condition.</u></b>			
4.	<b>Discharge Structure and Appurtenances</b>		
	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs Maintenance
Remarks: <b><u>All rip-rap used for stormwater control is in very good condition</u></b>			
5.	<b>On-Site Buildings: Vehicle Storage Area; Gas Flare Pad</b>		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs repair
	<input type="checkbox"/> Chemicals and equipment properly stored		
Remarks: _____			

VII. LANDFILL COVERS <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
A. Landfill Surface			
1.	<b>Settlement</b> (Low spots)	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Settlement not evident
	Areal extent _____	Depth _____	
Remarks: _____			
2.	<b>Cracks</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Cracking not evident
	Lengths _____	Widths _____	Depths _____
Remarks: _____			
3.	<b>Erosion</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Erosion not evident
	Areal extent _____	Depth _____	
Remarks: _____			
4.	<b>Holes</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Holes not evident
	Areal extent _____	Depth _____	
Remarks: _____			
5.	<b>Vegetative Cover</b>	<input checked="" type="checkbox"/> Grass	<input checked="" type="checkbox"/> Cover properly established <input checked="" type="checkbox"/> No signs of stress
	<input type="checkbox"/> Trees/Shrubs (indicate size and locations on a diagram)		
Remarks: <b><u>Saplings of potential deep rooting species are removed during mowing events. Mowing on both the Tri-County and Elgin sides generally occurs annually or as otherwise needed, conditional upon weather conditions. Vegetative cover on both Tri-County and Elgin sides is growing well. Annual Reports are available as needed which summarize maintenance activities since 2014.</u></b>			

6.	<b>Alternative Cover (armored rock, concrete, etc.)</b>	<input checked="" type="checkbox"/> N/A	Remarks _____
7.	<b>Bulges</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Bulges not evident
	Areal extent _____	Height _____	
	Remarks _____		
8.	<b>Wet Areas/Water Damage</b>	<input checked="" type="checkbox"/> Wet areas/water damage not evident	
	Wet areas	<input type="checkbox"/> Location shown on site map	Areal extent _____
	Ponding	<input type="checkbox"/> Location shown on site map	Areal extent _____
	Seeps	<input type="checkbox"/> Location shown on site map	Areal extent _____
	Soft subgrade	<input type="checkbox"/> Location shown on site map	Areal extent _____
	Remarks <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>		
9.	<b>Slope Instability</b>	<input type="checkbox"/> Slides	<input type="checkbox"/> Location shown on site map
	Areal extent _____	<input checked="" type="checkbox"/> No evidence of slope instability	
	Remarks _____		
<b>B. Benches</b>			
	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
	(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)		
1.	<b>Flows Bypass Bench</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> N/A or okay
	Remarks _____		
2.	<b>Bench Breached</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> N/A or okay
	Remarks _____		
3.	<b>Bench Overtopped</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> N/A or okay
	Remarks _____		
<b>C. Letdown Channels</b>			
	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
	(Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)		
1.	<b>Settlement</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of settlement
	Areal extent _____	Depth _____	<input checked="" type="checkbox"/> N/A
	Remarks _____		
2.	<b>Material Degradation</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of degradation
	Material type _____	Areal extent _____	<input checked="" type="checkbox"/> N/A
	Remarks _____		
3.	<b>Erosion</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of erosion
	Areal extent _____	Depth _____	<input checked="" type="checkbox"/> N/A
	Remarks _____		
4.	<b>Undercutting</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of undercutting
	Areal extent _____	Depth _____	<input checked="" type="checkbox"/> N/A
	Remarks _____		
5.	<b>Obstructions</b>	Type _____	<input type="checkbox"/> No obstructions
	<input type="checkbox"/> Location shown on site map	Areal extent _____	<input checked="" type="checkbox"/> N/A
	Size _____		
	Remarks _____		

6.	<b>Excessive Vegetative Growth</b> <input type="checkbox"/> No evidence of excessive growth <input type="checkbox"/> Vegetation in channels does not obstruct flow <input type="checkbox"/> Location shown on site map	Type _____ Areal extent _____	<input checked="" type="checkbox"/> N/A
Remarks: _____			
<b>D. Cover Penetrations</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Gas Vents</b> <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
2.	<b>Gas Monitoring Probes</b> <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
3.	<b>Monitoring Wells</b> (within surface area of landfill) <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input checked="" type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
4.	<b>Leachate Extraction Wells</b> <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input checked="" type="checkbox"/> N/A		
Remarks: _____			
5.	<b>Settlement Monuments</b> <input type="checkbox"/> Located <input type="checkbox"/> Routinely surveyed <input checked="" type="checkbox"/> N/A		
Remarks: _____			
<b>E. Gas Collection and Treatment</b> <input checked="" type="checkbox"/> Applicable (2009 to 2013 ONLY) <input checked="" type="checkbox"/> N/A (SINCE LATE 2013)			
1.	<b>Gas Treatment Facilities (2009 to 2013)</b> <input checked="" type="checkbox"/> Flaring <input type="checkbox"/> Thermal destruction <input type="checkbox"/> Collection for reuse <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: <u>Operation of Gas Treatment facilities was discontinued in 2013 after the conversion to passive venting, but remain in place and can be re-started if needed. From 2009 to 2013, the flare and associated equipment was in good condition and good operational order.</u>		
2.	<b>Gas Collection Wells, Manifolds and Piping</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: _____		
3.	<b>Gas Monitoring Facilities</b> (e.g., gas monitoring of adjacent homes or buildings) <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: _____		
<b>F. Cover Drainage Layer</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Outlet Pipes Inspected</b> <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: <u>Good Condition</u>		

2.	<b>Outlet Rock Inspected</b>	<input checked="" type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks: <b>Good Condition</b>			
<b>G. Detention/Sedimentation Ponds</b>			
<b>G. Detention/Sedimentation Ponds</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	<b>Siltation</b>	Areal extent _____ Depth _____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Siltation not evident
Remarks _____			
2.	<b>Erosion</b>	Areal extent _____ Depth _____	<input checked="" type="checkbox"/> Erosion not evident
Remarks _____			
3.	<b>Outlet Works</b>	<input checked="" type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks _____			
4.	<b>Dam</b>	<input type="checkbox"/> Functioning	<input checked="" type="checkbox"/> N/A
Remarks _____			
<b>H. Retaining Walls</b>			
<b>H. Retaining Walls</b>		<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
1.	<b>Deformations</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Deformation not evident
Horizontal displacement _____		Vertical displacement _____	
Rotational displacement _____			
Remarks _____			
2.	<b>Degradation</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Degradation not evident
Remarks _____			
<b>I. Perimeter Ditches/Off-Site Discharge</b>			
<b>I. Perimeter Ditches/Off-Site Discharge</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	<b>Siltation</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Siltation not evident
Areal extent _____		Depth _____	
Remarks _____			
2.	<b>Vegetative Growth</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A
		<input checked="" type="checkbox"/> Vegetation does not impede flow	
Areal extent _____		Type _____	
Remarks: <b><u>Vegetation in surface run-off channels at the site does not obstruct flow. Run-off channels are cleared of vegetation on a regular basis. During and prior to this Five Year Review Site Inspection, rain was present and visual observations confirmed that flow was not impeded.</u></b>			
3.	<b>Erosion</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Erosion not evident
Areal extent _____		Depth _____	
Remarks _____			
4.	<b>Discharge Structure</b>	<input type="checkbox"/> Functioning	<input checked="" type="checkbox"/> N/A
Remarks _____			

<b>VIII. VERTICAL BARRIER WALLS</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	<b>Settlement</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> Settlement not evident Areal extent _____ Depth _____ Remarks _____	
2.	<b>Performance Monitoring</b> Type of monitoring _____ <input type="checkbox"/> Performance not monitored Frequency _____ <input type="checkbox"/> Evidence of breaching Head differential _____ Remarks _____	

<b>IX. GROUNDWATER / SURFACE WATER REMEDIES</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
<b>A. Groundwater Extraction Wells, Pumps. and Pipelines</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	<b>Pumps, Wellhead Plumbing. and Electrical</b> <input type="checkbox"/> Good condition <input type="checkbox"/> All required wells properly operating <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: _____	
2.	<b>Extraction System Pipelines. Valves, Valve Boxes, and Other Appurtenances</b> <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: _____	
3.	<b>Spare Parts and Equipment</b> <input type="checkbox"/> Readily available <input type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks: _____	
<b>B. Surface Water Collection Structures, Pumps. and Pipelines</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A		
1.	<b>Collection Structures, Pumps, and Electrical</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	
2.	<b>Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	
3.	<b>Spare Parts and Equipment</b> <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	

<b>C. Treatment System</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
1.	<b>Treatment Train</b> (Check components that apply) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Metals removal           <input type="checkbox"/> Oil/water separation           <input type="checkbox"/> Bioremediation         </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Air stripping           <input type="checkbox"/> Carbon adsorbers         </div> <input type="checkbox"/> Filters _____ <input type="checkbox"/> Additive ( <i>e.g.</i> , chelation agent, flocculent) _____ <input type="checkbox"/> Others _____ <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> Sampling ports properly marked and functional <input type="checkbox"/> Sampling/maintenance log displayed and up to date <input type="checkbox"/> Equipment properly identified <input type="checkbox"/> Quantity of groundwater treated annually _____ <input type="checkbox"/> Quantity of surface water treated annually _____ Remarks _____ _____
2.	<b>Electrical Enclosures and Panels</b> (properly rated and functional) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____ _____
3.	<b>Tanks, Vaults, Storage Vessels</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Proper secondary containment <input type="checkbox"/> Needs Maintenance Remarks _____ _____
4.	<b>Discharge Structure and Appurtenances</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____ _____
5.	<b>Treatment Building(s)</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition (esp. roof and doorways) <input type="checkbox"/> Needs repair <input type="checkbox"/> Chemicals and equipment properly stored Remarks _____ _____
6.	<b>Monitoring Wells</b> (pump and treatment remedy) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Properly secured/locked           <input type="checkbox"/> Functioning           <input type="checkbox"/> Routinely sampled           <input type="checkbox"/> Good condition         </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> All required wells located           <input type="checkbox"/> Needs Maintenance           <input checked="" type="checkbox"/> N/A         </div> Remarks _____ _____
<b>D. Monitoring Data</b>	
1.	Monitoring Data <input checked="" type="checkbox"/> Is routinely submitted on time <input checked="" type="checkbox"/> Is of acceptable quality
2.	Monitoring data suggests: <input type="checkbox"/> Groundwater plume is effectively contained <input checked="" type="checkbox"/> Contaminant concentrations are declining <b><u>OR STABLE</u></b>
<b>E. Monitored Natural Attenuation</b>	



1. **Monitoring Wells** (~~natural attenuation~~ remedy)

☒ Properly secured/locked   ☒ Functioning   ☒ Routinely sampled   ☒ Good condition  
☒ All required wells located   ☐ Needs Maintenance   ☐ N/A

Remarks \_\_\_\_\_

**X. OTHER REMEDIES**

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction. **NONE.**

**XI. OVERALL OBSERVATIONS**

**A. Implementation of the Remedy:** Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

The remedy at the Tri-County/Elgin Landfills site is being implemented to achieve: containment of contaminated materials under a landfill cover; natural attenuation of low-level contaminants from groundwater to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries; collection and venting of landfill gases; comprehensive monitoring to ensure the effectiveness of the remedy; and, institutional controls to limit land and ground water use.

The remedy at the Tri-County/Elgin Landfills Site currently protects human health and the environment in the short term. There are no current exposures to human health and the environment. The remedy currently protects human health and the environment in the short term because: the landfill caps and gas collection and venting systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Site property is consistent with the objectives of the landfill caps and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume.

The implemented remedy does not yet achieve ARARs because long-term achievement of MCLs or Illinois Groundwater Quality Standards has not yet been accomplished throughout the Site or plume. Groundwater monitoring data was reviewed and the lateral extent of the plume continues to remain stable. There is no evidence of exposure; there is no cracking, sliding, settlement of cap or other indicators of cap breaches; landfill gas is successfully and adequately being vented. ICs that prevent disturbance of the cap, landfill gas collection systems, and ground flare are in place.

The remedy selected by the 1992 ROD as modified by the ESDs for this site has been implemented and remains functional, operational and effective. As required by the 1999 Unilateral Administrative Orders, the potentially responsible parties are successfully implementing all other components of this remedy. Site access and use is restricted by topography and locked gates, and deed restrictions prevent unacceptable use of the Site property.

**B. Adequacy of O&M:** Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

The PRPs oversee environmental contractors for remedy repair, upkeep, and O&M. There are quarterly and annual activities that occur at the site. The landfill gas collection and venting system must be operated and maintained because it removes very low levels of VOCs from the waste fill that could otherwise be available for migration from the landfill, in addition to protecting adjacent properties and buildings from dangerous explosive gases. The gas and groundwater monitoring wells must be maintained because they are essential to ensure that landfill gas and contamination does not migrate from the landfill. The landfill cap must be maintained to prevent precipitation from infiltrating into the waste fill material to create leachate. Groundwater monitoring must be continued to document the reduction of contaminant concentrations and provide a warning of increased concentrations in, or a shifting of, the contaminant plume.

**C. Early Indicators of Potential Remedy Problems:** Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.

None.

**D. Opportunities for Optimization.** Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

**Opportunities for Optimization.** Because of the containment nature of landfill cap and landfill gas collection technologies, there are very limited opportunities for system optimization. Opportunities for optimization were assessed by U.S. EPA as part of the last two five-year reviews in 2009 and 2014. At this time, the only potential optimization activities for this remedy remains the possible use of alternative energy technology (such as solar energy), or reduction of site sampling frequency or locations. Although alternative energy technology is being considered at other landfill sites in Region 5, the energy needs of the Tri-County/Elgin Landfills site remedy are not excessive, limiting the cost effectiveness of such technology. Although the Site continues to generate methane at a very low rate, gas quantities are not substantial enough for implementation of a gas-to-energy system. The continued presence of inorganic contaminants and general chemistry indicators precludes any reduction of site sampling frequencies or locations at this time. It may be possible to discontinue analyses for organic chemical contaminants in groundwater samples because this type of contaminant has not been present in samples (approximately) for the past decade.

**FIFTH FIVE-YEAR REVIEW REPORT FOR  
TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC. SUPERFUND SITE  
KANE COUNTY, ILLINOIS**



**Prepared by  
U.S. Environmental Protection Agency  
Region 5  
Chicago, Illinois**

8/27/2024

**X Douglas Ballotti**

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Douglas Ballotti, Director  
Superfund & Emergency Management Division  
Signed by: DOUGLAS BALLOTTI

## Table of Contents

LIST OF ABBREVIATIONS & ACRONYMS .....	3
I. INTRODUCTION .....	4
FIVE-YEAR REVIEW SUMMARY FORM .....	6
II. RESPONSE ACTION SUMMARY .....	6
Basis for Taking Action .....	6
Table 1: Contaminants Of Concern .....	7
Response Actions .....	10
Table 2: Groundwater Cleanup Goals .....	13
Table 3: Sediment Cleanup Goals .....	14
Status of Implementation .....	15
Institutional Controls .....	15
Table 4: Summary of Planned and/or Implemented Institutional Controls .....	16
III. PROGRESS SINCE THE LAST REVIEW .....	20
Table 5: Protectiveness Determinations/Statements from the 2019 FYR .....	20
Table 6: Status of Recommendations from the 2019 FYR .....	22
IV. FIVE-YEAR REVIEW PROCESS .....	22
Community Notification, Involvement, & Site Interviews .....	22
Data Review .....	23
Site Inspection .....	24
V. TECHNICAL ASSESSMENT .....	25
QUESTION A: Is the remedy functioning as intended by the decision documents? .....	25
QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid? .....	26
QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy? .....	27
VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS .....	27
Table 7: Issues/Recommendations .....	27
VII. PROTECTIVENESS STATEMENTS .....	28
VIII. NEXT REVIEW .....	29
APPENDIX A: REFERENCE LIST .....	30
APPENDIX B: FIGURES AND TABLES .....	33

## LIST OF ABBREVIATIONS & ACRONYMS

Agencies	IEPA and EPA
ARARs	Applicable or Relevant and Appropriate Requirements
AWI	Allied Waste Industries, Inc. (formerly BFI)
BFI	Browning Ferris Industries of North America, Inc.
CEC	Contaminant of Emerging Concern
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
COCs	Contaminants of Concern
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
FYR	Five-Year Review
ICs	Institutional Controls
ICIAP	Institutional Controls Implementation and Assurance Plan
IEPA	Illinois Environmental Protection Agency
LFG	Landfill Gas
LTS	Long Term Stewardship
MCL	Maximum Contaminant Level
mg/kg	milligrams per kilogram, or parts per million
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
OU	Operable Unit
O&M	Operation and Maintenance
PCOR	Preliminary Closeout Report
PFAS	Per- and Polyfluoroalkyl Substances
ppb	parts per billion
PRP	Potentially Responsible Party
RA	Remedial Action
RAO	Remedial Action Objective
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RPM	Remedial Project Manager
RSI	Republic Services Inc. (formerly AWI, formerly BFI)
Site	Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site
TBC	To-Be-Considered
The State	The State of Illinois
UAO	Unilateral Administrative Order
UU/UE	Unlimited Use and Unrestricted Exposure
µg/L	micrograms per liter, or parts per billion
VOC	Volatile Organic Compound
WMIL	Waste Management of Illinois, Inc.

## **I. INTRODUCTION**

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The United States Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 CFR Section 300.430(f)(4)(ii)) and considering EPA policy.

This is the fifth FYR for the Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site (the "Site"). The triggering action for this statutory review is the completion date of the fourth FYR on September 11, 2019. The FYR has been prepared because hazardous substances, pollutants, or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

The Site is comprised of 46- and 20-acre adjacent landfills with a remedy implemented under one Site-wide Operable Unit (OU), OU1. The Site was subsequently divided into two OUs for administrative and cost tracking reasons to reflect the two parties implementing the remedy. OU2 is the Tri-County Landfill (south) portion of the Site, and OU3 is the Elgin Landfill (north) portion, which are both addressed in this FYR. Remedies for both OUs have been implemented and are operated and maintained as one consolidated remedy, which includes passive landfill gas (LFG) venting, storm run-off control systems, landfill caps, and long-term groundwater monitoring.

The Site FYR was led by John V. Fagiolo, EPA Remedial Project Manager (RPM). Participants included Angelic Mandell, Site Coordinator for the Illinois Environmental Protection Agency (IEPA), and Cheryl Allen, EPA Community Involvement Coordinator. For this FYR, IEPA was involved as the support agency. The review began on September 15, 2023 with a notification letter to IEPA that included copies to the Potentially Responsible Parties (PRPs).

### **Site Background**

The 66-acre Site encompasses both Tri-County and Elgin Landfills and is located at 7N904 Illinois Route 25 approximately 2/3 of a mile southeast of the Village of South Elgin. The 46-acre Tri-County Landfill has been inactive since 1976 and the 20-acre inactive Elgin Landfill is located immediately adjacent to the northern boundary of the Tri-County Landfill. Route 25 bounds the east and southeast sides of the Site, along which are located several commercial businesses. Kane County's current zoning designation for the Site is special use, which means any change to the land use must be subjected to review and approval by the county government. The Site real estate is owned by the Site PRPs who do not intend to change the use of the land. Real estate

adjacent to the north boundary of the Elgin Landfill is controlled under the jurisdiction of the Illinois Department of Natural Resources, as is the property immediately east of the Site on the other side of Route 25. The Waste Management of Illinois (WMIL) Woodland Recycling Disposal Facility occupies the land west of the Site and contains a former sanitary landfill. The landfill at the Woodland facility was closed in November 2002 but still has operating landfill gas collection and flare systems. There are no plans to change the use of any of this adjacent real estate.

Surface water features in the area surrounding the Site include the Fox River, Brewster Creek, an unnamed tributary to Brewster Creek, and their associated wetlands. The Fox River is located approximately one mile to the west of the Site. Brewster Creek is a small, east-to-west flowing stream located 1/2 of a mile south of the Site. The unnamed tributary to the Brewster Creek flows toward the Site from the east, bypasses the Site on the south side, and continues to flow south to discharge into Brewster Creek, which flows west into the Fox River. Land surrounding the Site to the north and to the east is used as a nature preserve. The nearest residential property is located in the Village of South Elgin, approximately 2/3 of a mile west of the Site. Although some businesses in the area rely on private wells to provide drinking water and water for general use, none are located at close proximity to the Site. Monitoring data since 2002 has confirmed there are no contaminants above action levels in off-Site groundwater.

The Tri-County and Elgin Landfills operated as solid waste disposal facilities until 1976. Most of the improper waste disposal reportedly occurred at the Tri-County Landfill during the interval from 1968 to 1974. Although landfill operations ceased in December of 1976, the existing cover was not put in place until early 1981. Correspondence from IEPA to WMIL on April 14, 1981, indicated that the landfill had been satisfactorily closed and covered. Residential and commercial rubbish, industrial waste, and incinerator ash were disposed of at the Elgin landfill from 1961-1976. On March 31, 1989, the Site was placed on the National Priorities List (NPL). For further Site Background information see Table 8 in Appendix B, which shows a chronology of Site events.



## FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
<b>Site Name:</b> Tri-County Landfill Co./Waste Management of Illinois, Inc.		
<b>EPA ID:</b> ILD048306138		
<b>Region:</b> 5	<b>State:</b> IL	<b>City/County:</b> City of Elgin, Kane County
SITE STATUS		
<b>NPL Status:</b> Final		
<b>Multiple OUs?</b> Yes.	<b>Has the site achieved construction completion?</b> Yes.	
REVIEW STATUS		
<b>Lead agency:</b> EPA		
<b>Author name (Federal or State Project Manager):</b> John V. Fagiolo		
<b>Author affiliation:</b> EPA		
<b>Review period:</b> September 15, 2023 - May 7, 2024		
<b>Date(s) of Site inspection:</b> April 3, 2024		
<b>Type of review:</b> Statutory		
<b>Review number:</b> 5		
<b>Triggering action date:</b> September 11, 2019		
<b>Due date (<i>five years after triggering action date</i>):</b> September 11, 2024		

## II. RESPONSE ACTION SUMMARY

### Basis for Taking Action

From April 1988 to July 1992, EPA performed the Remedial Investigation (RI) and Feasibility Study (FS). The May 1, 1991 RI included sampling and analysis of Site soil, groundwater, and sediment for target compound list constituents. The FS was completed by EPA on July 24, 1992 (see Documents 2 and 3 in Appendix A). Contaminants present in the media shown in Table 1 were identified as Contaminants of Concern (COCs) in the Risk Assessment completed during the FS. The primary COCs shown in Table 1 below were found in groundwater, soil, sediment, and surface water at the Site and were mainly the result of landfilling operations.

**Table 1: Contaminants Of Concern**

<b>GROUNDWATER *</b>	
Aluminum **	2-Butanone
Antimony	Chlorobenzene
Arsenic **	Chloroethane
Barium	1,1 -Dichloroethane
Calcium	1,2-Dichloroethene (total)
Chromium **	Ethylbenzene
Cobalt	Tetrachloroethene
Copper	Trichloroethene
Iron	Toluene
Lead	Vinyl Chloride
Magnesium	Total Xylenes
Manganese **	Acenaphthene
Mercury	Benzoic Acid
Nickel	bis(2-Ethylhexyl)Phthalate
Potassium	Dibenzofuran
Silver	Di-n-Butylphthalate
Sodium	1,4-Dichlorobenzene
Thallium	Diethylphthalate
Vanadium	Fluoranthene
Zinc	Naphthalene
Benzene	Pyrene
<b>SOIL *</b>	
Antimony	Benzo(a)Anthracene
Arsenic	Benzo(a)Pyrene
Beryllium	Benzo(b)Fluoranthene
Calcium	Benzo(g,h,i)Perylene
Chromium	Benzo(k)Fluoranthene
Copper	bis(2-Ethylhexyl)Phthalate
Lead	Butylbenzylphthalate
Magnesium	Chrysene
Mercury	Dibenz(a,h)Anthracene
Nickel	Dibenzofuran
Potassium	Di-n-Butylphthalate

**Table 1: Contaminants Of Concern**

Sodium	1,4-Dichlorobenzene
Zinc	Fluoranthene
Benzene	Fluorene
Chlorobenzene	Indeno(1,2,3 -cd)Pyrene
Ethylbenzene	2-Methylnaphthalene
Tetrachloroethene	4-Methylphenol
Trichloroethene	Naphthalene
Toluene	Phenanthrene
Total Xylenes	Pyrene
Acenaphthene	4,4'-DDT
Anthracene	Aroclor-1242
<b>SEDIMENT *</b>	
Aluminum	Benzo(b)Fluoranthene
Arsenic	Benzo(g,h,i)Perylene
Barium	Benzo(k)Fluoranthene
Beryllium	bis(2-Ethylhexyl)Phthalate
Calcium	2-Butanone
Chromium	Chlorobenzene
Cobalt	Chrysene
Copper	Dibenz(a,h)Anthracene
Iron	Dibenzofuran
Lead	Fluoranthene
Magnesium	Fluorene
Nickel	Indeno( 1,2,3 -cd)Pyrene
Potassium	2-Methylnaphthalene
Vanadium	4-Methylphenol
Acetone	Naphthalene
1,1 -Dichloroethene	Phenanthrene
Methylene Chloride	Phenol
Toluene	Pyrene
Acenaphthene	gamma-Chlordane
Anthracene	4,4'-DDD
Benzo(a)Anthracene	Dieldrin
Benzo(a)Pyrene	Aroclor-1248

**Table 1: Contaminants Of Concern**

<b>SURFACE WATER *</b>	
Aluminum	Manganese
Arsenic	Mercury
Barium	Nickel
Beryllium	Potassium
Calcium	Sodium
Chromium	Vanadium
Cobalt	Zinc
Cyanide	Carbon Disulfide
Iron	Benzoic Acid
Lead	4-Methylphenol
Magnesium	Methylene Chloride

**\* Media marked with a single asterisk have been adequately addressed by the remedy through attenuation or by elimination of the human exposure pathway. All substances other than those marked with two asterisks listed under these media are no longer contaminants of concern.**

**\*\* Substances listed in Table 1 with two asterisks continue to be contaminants of concern for the media shown.**

If no action had been taken, exposure to COCs in soil and groundwater above health-based levels would have occurred. The RI identified contamination in soil, sediment, surface water, and groundwater, and determined that a primary pathway for the contaminants to migrate off-Site was through rain and snowmelt infiltrating through the existing landfill cover, leaching contaminants from the landfilled materials, and then transporting them to surface water and groundwater by surface and subsurface flow. The Baseline Risk Assessment showed that there were ten potential routes of current and future exposure:

1. Ingestion of contaminated soils;
2. Direct dermal contact with contaminated soils;
3. Ingestion of contaminated groundwater;
4. Dermal contact with contaminated groundwater during showering;
5. Inhalation of volatile contaminants from groundwater during showering;
6. Ingestion of contaminated surface water;
7. Dermal contact with contaminated surface water;
8. Ingestion of contaminated sediment;
9. Dermal contact with contaminated sediment; and,
10. Inhalation of volatilized contaminants and contaminated particulates.

The greatest carcinogenic risks for humans at the Site would be  $6 \times 10^{-4}$  (six in ten thousand), associated with exposure to soils through inhalation and ingestion. For future occupational and

residential populations, the greatest carcinogenic risks would be  $3.4 \times 10^{-3}$  (three in one thousand) through groundwater exposure and  $3.6 \times 10^{-4}$  from inhalation of airborne contaminants. According to the NCP, carcinogenic risks from exposures at CERCLA sites are considered "acceptable" if they are within a  $1 \times 10^{-4}$  (one in ten thousand) to  $1 \times 10^{-6}$  (one in one million) risk range. Since the calculated potential risk at the Site was greater than the acceptable risk in the NCP, it was decided that remedial action (RA) was appropriate to ensure the protection of human health.

Ecological impacts from Site-related contamination were also evaluated. Surveys of flora and fauna populations were taken in a qualitative attempt to assess adverse impacts. These findings established some impacts to the local ecosystem. The impact was generally associated with elevated levels of zinc and mercury above established Ambient Water Quality Criterion in the surface water. The Baseline Risk Assessment concluded that all the remedial alternatives in the FS considered to address the risks to public health, except the "No Action" alternative, would address ecological impacts as well.

Actual or threatened releases of hazardous substances from this Site, if not addressed by the response action selected in the 1992 ROD may have presented an imminent and substantial endangerment to public health, welfare, and/or the environment.

### **Response Actions**

On September 30, 1992, EPA signed a Record of Decision (ROD) selecting a remedy for the Site (see Document 4 in Appendix A). Remedy components included:

- Excavation and consolidation under the landfill cap of contaminated sediments that exceeded background levels;
- Construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and Resource Conservation and Recovery Act (RCRA) Subtitle D cover requirements, as applicable;
- Collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of low-level groundwater contamination off of the landfill property, to ultimately comply with drinking water or health-based standards in all groundwater outside of the landfill waste boundaries;
- Active collection and treatment of landfill gases;
- Comprehensive monitoring program to ensure the effectiveness of the remedy;
- Institutional controls (ICs) to limit land and groundwater use; and
- Provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the groundwater response component.

Some requirements and components of the remedy selected by the 1992 ROD were modified later based on new information and events. Significant decreases in contaminants were observed through sampling performed as part of the Remedial Design (RD). The EPA issued an Explanation of Significant Differences (ESD) on June 25, 1996, based on observed decreases in contaminant concentrations at the Site (see Document 6 in Appendix A). Natural processes in

the surficial aquifer were acting to attenuate contamination within a short distance from the Site boundary. The EPA confirmed that no downgradient groundwater users were currently affected by contamination from the Tri-County or Elgin Landfills. New information strongly supported changing the requirement for leachate/water collection and treatment components from an up-front design and construction remedy element to a contingency remedy element. The ESD further stated that it shall be EPA's responsibility, acting in consultation with IEPA, to determine if and when the ground water/leachate collection and treatment system must be installed.

On April 23, 1998, EPA issued a second ESD to reflect changes in design and construction specifications for a landfill cap (see Document 7 in Appendix A). The EPA determined that the modified landfill cap design (as approved in the ROD) was the best approach to meet the performance standards in the ROD and Administrative Order on Consent for low permeability of the barrier layer. The 1992 ROD required the construction of a low-permeability clay barrier layer a minimum of 24 inches thick, covered with a layer of topsoil at least 8 inches thick. The second ESD allowed substitution of an alternative material (a 40 mil Low Density Polyethylene geomembrane) in place of the clay layer and allowed a "geonet" synthetic drainage layer to be substituted for a sand or gravel drainage layer.

On July 14, 1999, EPA issued a third ESD that allowed for the use of a high strength, low-permeability asphalt cap for the Elgin Landfill and the Elgin-Wayne portion of the Tri-County Landfill at the Site (see Document 9 in Appendix A). A high strength, low-permeability ( $1 \times 10^{-8}$  cm/sec) asphalt cover was approved which replaced the originally proposed asphalt layer, geosynthetics, and 18 inches of general fill layer. The July 14, 1999 ESD also allowed the use of surface material already at the Site, if that existing material proved to be acceptably impermeable as shown by proper testing. The final layer was to be a 4-inch-thick combined modified asphalt binder and modified asphalt surface course of specially produced, high-strength, low-permeability asphalt.

On July 3, 2001, EPA issued the fourth ESD to account for the sale of the Elgin Landfill properties to Browning Ferris Industries of North America, Inc. (BFI) by the previous landowners (see Document 13 in Appendix A). This sale meant that BFI (responsible for implementing the RA on the Elgin Landfill portion of the Site) would no longer need to implement a remedy that allowed for the ongoing use of the Site by existing businesses, a condition originally required by page 34 of the 1992 ROD. Therefore, the purpose of this ESD was to allow the use of either the high strength, low-permeability asphalt cap as outlined in the July 14, 1999 ESD, and as used on the Elgin-Wayne portion of the landfill, or a Geomembrane composite liner system, similar to that used on the Tri-County Landfill portion of the Site.

On January 31, 2013, EPA issued a Memo to the Site File allowing a change to the method of landfill gas collection and treatment to venting wellheads at each of the collection points throughout the Site (see Document 19 in Appendix A).

Information contained in the RI and Risk Assessment was used as the basis for the ROD, which selected a containment remedial alternative for the Site. Remedial Action Objectives (RAOs) included in the 1992 ROD are as follows:

- For soils and waste material, the RAO is to prevent direct human contact and continuing impacts to groundwater through treatment and/or containment of all on-Site soils and waste material containing contaminants at unacceptable concentrations;
- For groundwater, the RAOs are: (1) to reduce the continued production of leachate caused by infiltration of precipitation and the contact of groundwater with the waste material and impacted soils; (2) to prevent the migration of groundwater and landfill leachate containing levels of contaminants above acceptable concentrations to prevent further degradation of groundwater and direct human contact; and (3) reduce the volume and toxicity of groundwater that migrates off-Site and which contains contaminants at levels above acceptable concentrations;
- For landfill gas and ambient air, the RAO is to maintain and control landfill gas emissions to the atmosphere in compliance with appropriate State and Federal regulations;
- For surface water, the RAOs are: (1) to prevent direct human contact and impacts to off-Site surface water and local groundwater through removal and treatment of surface water accumulated on-Site at the time which contained contaminants at levels above risk-based criteria; (2) to minimize the impact to the wetlands south of Tri-County Landfill resulting from remediation activities at the Site; and (3) restore impacted off-Site wetlands; and,
- For sediments, the RAO is to prevent direct human contact and impacts to groundwater through containment of all on-Site sediments containing contaminants at concentrations above unacceptable levels.

For this Site, cleanup levels in groundwater from the 1992 ROD were based on achieving a minimum carcinogenic risk level of approximately  $1 \times 10^{-6}$  and a non-carcinogenic Hazard Index (HI) of 1. However, to ensure a protective goal for the scenario of potable use of Site groundwater, EPA required that MCLs or State of Illinois cleanup standards be met. The cleanup goals for COCs in Site groundwater are identified in Table 2:



**Table 2: Groundwater Cleanup Goals**

<b>GROUNDWATER CONTAMINANT</b>	<b>GROUNDWATER CLEANUP GOAL * (µg/L, or ppb)</b>
Aluminum	50
Arsenic	10
Chromium	100
Manganese	150

**\* Cleanup goals for remaining COCs are either the Federal MCL, Secondary MCL, or the State of Illinois cleanup standard for a Class I (Potable Resource) or Class II (General Resource) groundwater aquifer. See Table 9 in Appendix B. Page 37 of the 1992 ROD explains that State ground water quality standards promulgated under Title 35, Subtitle F, Chapter I, Part 620 are ARARs for Site groundwater.**

The ROD required installation of upgraded landfill caps to ensure attainment of remediation goals. Since soil was left in place and no excavation was required for the remedy, the 1992 ROD establishes no numeric cleanup goals for soil and references only ARARs applicable to protectiveness from the impermeable landfill cap. However, soil cleanup goals were proposed in the July 24, 1992 FS using regulatory cleanup levels and risks for potential human exposure to trespassers across the Site, agricultural zoning, and future recreational land use scenarios. For additional details, see Table 3.1 of the July 24, 1992 FS (Document 3 in Appendix A).

For this remedy the term "surface water" refers to water that may have ponded on the surface of the landfills before the RI was initiated. The remedy addressed this water through grading and upgraded landfill caps that ensure no precipitation runs off the Site into the unnamed tributary south of the Site. The 1992 ROD establishes no numeric cleanup goals for sediment or surface water and generally references those ARARs that require protection of sediment and surface water in the unnamed tributary south of the Site. Also other than referencing EPA's Ambient Water Quality Criteria for the unnamed tributary, there are no numeric cleanup goals for surface water because the selected remedy prevents leachate or Site run-off from reaching any nearby surface water bodies.

For sediments in the unnamed tributary south of the Site, background concentrations were determined in the FS from samples taken during the RI upstream from the Site. Table 3 summarizes tributary sediment background concentrations published in the FS (see Document 3 in Appendix A). Sediment to the south of the Site containing contaminants at higher than background concentrations were excavated and consolidated underneath the constructed landfill caps.

**Table 3: Sediment Cleanup Goals**

<b>SEDIMENT CONTAMINANT *</b>	<b>BACKGROUND CONCENTRATION IN THE UNNAMED TRIBUTARY (µg/kg, or ppb)</b>
Aluminum	15,000,000
Antimony	12,000
Arsenic	8,400
Barium	170,000
Beryllium	900
Cadmium	5,900
Calcium	52,000,000
Chromium	24,000
Cobalt	14,000
Copper	45,000
Iron	33,000,000
Lead	70,000
Magnesium	21,000,000
Manganese	930,000
Nickel	25,000
Potassium	970,000
Selenium	1,300
Sodium	1,000,000
Vanadium	36,000
Zinc	170,000

**\* It was determined in the July 1992 Baseline Risk Assessment that only the contaminants listed in Table 3 were at concentrations high enough to pose unacceptable threat. Not all COCs listed under sediment in Table 1 were present in the unnamed tributary at concentrations high enough to pose unacceptable threat.**

Sampling of sediment in the unnamed tributary occurred during the RI and the RD to define the sediment volume to be excavated for consolidation under the upgraded landfill caps. Sampling of unnamed tributary surface water to the south of the Site also occurred at this time. Confirmatory sampling at the time of RA completion in 2001 showed no unacceptable concentrations of contaminants in the unnamed tributary, and this monitoring was discontinued.

Contaminants in sediment and surface water have been adequately addressed by the remedy and no longer pose risks to human health.

## **Status of Implementation**

The Tri-County and Elgin Landfills portions of the Site are functionally one contiguous disposal unit but have separate ownership and operating histories. The current remedy was installed in two distinct actions implemented by WMIL and BFI (now Republic Services Inc. (RSI)). The Tri-County landfill portion of the Site is managed as OU2, and the Elgin landfill portion as OU3. The PRPs have implemented the remedy under Unilateral Administrative Orders (UAOs) and IEPA is involved as the support agency.

In 1998, to allow WMIL's continued operations, an area approximately 4 acres in size south and west of the transfer facility was paved with Modified Asphalt Technology for Waste Containment Facilities pavement. A tie-in detail was developed during design of the Elgin Landfill to connect this pavement to the Elgin Landfill cover system. WMIL operated a waste transfer facility adjacent to the southeast corner of the Elgin Landfill. In 2007, WMIL discontinued transfer facility operations at the Site. From 2007 to 2012, WMIL used this area for fleet vehicle and container storage and maintenance. Since the 2019 FYR, this area is being leased to a tenant that uses it for storage of vehicles used in general construction. This land use complies with the objectives of the implemented Site ICs.

The PRPs have successfully implemented and are maintaining all components of the Site remedy. On November 1, 2001, a Preliminary Close-Out Report (PCOR) was signed. The PCOR certified that the construction of the Site remedy successfully achieved the requirements of the ROD and the RD (see Document 14 in Appendix A).

A detailed review by EPA of the chronological history of methane production and LFG control and treatment operations concluded that from 2005 to 2012, the percentage of methane in the LFG stream declined both at the locations of the wells and at the flare blower. The resultant low production rate of LFG does not present a combustion or explosion threat if vented to the atmosphere, and EPA approved the modification of the LFG system to a passive venting system in a January 31, 2013 Memo to the Site File. Condensate flows through collection piping by gravity to a condensate collection tank on the southwest side of the Site. Condensate is removed using a vacuum truck and is transported for treatment at the Fox River Water Reclamation District Wastewater Treatment Facility located approximately 3 miles away.

## **Institutional Controls**

To ensure remedy integrity, the 1992 ROD requires ICs to prohibit excavation of soils, construction on-Site, groundwater extraction, and any other interference with the remedy. ICs are non-engineered instruments such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect remedy integrity. Compliance with ICs is required to assure long-term protectiveness for any areas which do not allow for UU/UE. Specifically, the ROD required deed restrictions to reduce the probability of direct soil contact. Implemented ICs for the Site are listed in Table 4 and are further discussed below. A map showing the areas to which the ICs apply is included in Appendix B as Figure 7.

<b>Table 4: Summary of Planned and/or Implemented Institutional Controls Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois</b>					
<b>Media, Engineered Controls and Areas that do not support UU/UE for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" shown on Figure 7 in Appendix B.</u> On-Site contaminated subsurface soil.  Multi-media landfill cap and landfill gas collection (venting) system.  Property ownership: Tri-County Landfill; Elmhurst, IL.	Yes.	Yes.	OU2 - Parcels 017 and 021 shown on Fig. 7 in Appendix B.	- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.  - No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.	"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).  "Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).

**Table 4: Summary of Planned and/or Implemented Institutional Controls  
Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" shown on Figure 7 in Appendix B.</u> Groundwater that exceeds groundwater cleanup standards.  Groundwater monitoring wells.  Property ownership: Tri-County Landfill; Elmhurst, IL.	Yes.	Yes.	OU2 - Parcels 017 and 021 shown on Fig. 7 in Appendix B.	- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.  - No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.	"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).  "Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).
<u>Elgin Landfill boundary (approx. 20 acres). Parcels 016, 024, 025 shown on Figure 7 in Appendix B.</u> On-Site contaminated subsurface soil.	Yes.	Yes.	OU3 - Parcels 016, 024, and 025 shown on Fig. 7 in Appendix B.	- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.  - No interference with the Remedy: Except as required as part of an EPA or IEPA	"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.

**Table 4: Summary of Planned and/or Implemented Institutional Controls  
Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
Multi-media landfill cap and landfill gas collection (venting) system.  Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.				approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.	"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.
<u>Elgin Landfill boundary (approx. 20 acres).</u> <u>Parcels 016, 024, 025 on attached Figure 7.</u> Groundwater that exceeds groundwater cleanup standards.  Groundwater monitoring wells, annual sampling and analysis.  Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.	Yes.	Yes.	OU3 - Parcels 016, 024, and 025 shown on Fig. 7 in Appendix B.	- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.  - No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.	"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.  "Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.

Status of Access Restrictions and ICs: Environmental Covenants were recorded in 2012 and 2013 to restrict future Site use. The PRPs own the properties. The Site is fenced with a locked gate and PRP representatives visit the Site every 3 months at a minimum. PRPs monitor the Site to guarantee there is no disturbance of the Site cap or other remedy components, including removal of deep rooting vegetation. There is no cracking, sliding, settlement of cap or other indicators of cap breaches. PRPs also monitor groundwater at the Site to guarantee there is no extraction or other unauthorized use of groundwater. The lateral extent of the plume continues to remain stable and contaminant levels are not increasing. There is no evidence of exposure to waste fill or groundwater.

Current Compliance: The PRPs are performing O&M of the remedy including maintenance of ICs. The PRPs through routine site visits ensure that there is no trespassing, no use of the groundwater, no unauthorized use of the Site, and no installation or construction of structures, wells, or pipes. Compliance with these restrictions is necessary for the remedy to remain protective of human health and the environment. Through the Site inspection made by EPA on April 3, 2024, EPA has observed that the Site is not being used for any purpose and no new residential development near the Site has occurred since the 2019 FYR.

Long-Term Stewardship (LTS): LTS of ICs can be ensured by continually maintaining and monitoring implemented ICs. To help ensure that the ICs are and remain effective in the long-term and that appropriate LTS procedures are in place, an Institutional Control Implementation and Assurance Plan (ICIAP) was approved by EPA in February 2022 (See Document 26 in Appendix A). The ICIAP documents LTS procedures for the Site to help ensure that they continue to occur. The ICIAP describes: (1) monitoring activities and schedules; (2) responsibilities for performing each task; (3) reporting requirements; and (4) a process for addressing any potential IC issues that may arise during the reporting period. LTS reports are provided within annual O&M reports. LTS reports regularly demonstrate: 1) the Site was inspected to ensure no inconsistent uses have occurred; 2) ICs remain in place and are effective; and 3) whether any IC contingency actions were needed or implemented. Results of IC reviews are provided to EPA with a certification that the ICs remain in place and are effective.

### **System Operations/Operation and Maintenance**

Table 10 in Appendix B is the Site Inspection Form that describes the current state of the operating remedy. Contractors for the PRPs perform remedy repair, upkeep, and O&M of the passive gas vents and the landfill cover to ensure containment of Site waste material. In accordance with the February 2002 and March 2003 O&M plans (see Documents 16 and 17 in Appendix A), contractors inspect the following systems on a quarterly basis and perform routine maintenance and repairs (when necessary): fencing and gates, passive gas vents, Site monitoring wells, Site padlocks, and the landfill cap surface.

Landfill surfaces on both the Tri-County and Elgin portions of the Site are inspected twice a year for signs of erosion and stressed vegetation. Generally, covers are well-vegetated with no significant erosion. As part of O&M, landfill covers will be re-seeded if necessary, and settled or



eroded cap areas will be filled and graded if needed. The landfill surface cover is typically mowed on a biennial basis, or more frequently if necessary. Since the installation of the remedy, no stressed vegetation has been observed at the Site. No inordinate low-growth zones have been observed since the 2019 FYR.

Figure 4 shows approximate locations of Site monitoring wells. Site sampling monitors the continued effectiveness of the remedy and provides an alert if other actions at the Site may be needed. Monitoring of groundwater on and around the Site occurs annually at 46 monitoring wells. The current monitoring program was established in 2002. EPA's review of groundwater monitoring data collected since 2019 found that the characteristics of the Site groundwater have not changed significantly and contaminant concentrations are generally stable and have decreased somewhat in some locations. Table 9 in Appendix B provides a summary of data. See Data Review Section below for additional discussion of recent groundwater monitoring results.

No surface water or sediment monitoring occurs at the Site. Sampling at the time of RA completion confirmed such monitoring was no longer necessary after sediments had been consolidated under the upgraded landfill caps. The minimal landfill gas that is generated at the Site is vented to the atmosphere and no unacceptable levels of landfill gas accumulate or are released beyond the Site boundary. Since the last FYR in 2019, only minor repairs were needed and made to the landfill cap, fencing, and vent piping.

### **III. PROGRESS SINCE THE LAST REVIEW**

**Table 5: Protectiveness Determinations/Statements from the 2019 FYR**

<b>OU#</b>	<b>2019 Protectiveness Determination</b>	<b>2019 Protectiveness Statement</b>
2	Short-term Protective	For the Tri-County portion (O.U.#2) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control

OU#	2019 Protectiveness Determination	2019 Protectiveness Statement
		Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).
3	Short-term Protective	<p>For the Elgin portion (O.U.#3) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County* Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).</p>
Sitewide	Short-term Protective	<p>For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap and gas collection and flare/passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).</p>

\* In the 2019 FYR report, the OU3 Protectiveness Statement incorrectly referred to the Elgin Landfill property as "Tri-County."

**Table 6: Status of Recommendations from the 2019 FYR**

<b>O.U.</b>	<b>Issue</b>	<b>Recommendations/ Follow-up Actions</b>	<b>Current Status</b>	<b>Current Implementation Status Description</b>	<b>Completion Date</b>
2, 3	Documents and procedures should be developed and implemented to ensure that implemented ICs are effective and properly maintained, monitored, and enforced.	Develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).	Completed.	An ICIAP was approved by EPA in February 2022.	2/11/22

#### **IV. FIVE-YEAR REVIEW PROCESS**

##### **Community Notification, Involvement, & Site Interviews**

The Site's web page: <https://cumulis.epa.gov/supercpad/curSites/csitinfo.cfm?id=0500340> has been updated. A public notice was made available in the Elgin Courier newspaper on April 3, 2024, and is included as Figure 8 of Appendix B of this report. The notice provided information on this FYR and invited community input. No public comments regarding the FYR have been received. The results of the review and the report will be made available on the web page and at the Site information repository located at:

Gail Borden Public Library  
270 N. Grove Avenue  
Elgin, Illinois 60120

The Administrative Record may also be reviewed at the Gail Borden Public Library and:

U.S. EPA, Region 5  
Superfund Records Center, 7th Floor  
77 West Jackson Boulevard  
Chicago, Illinois 60604

From 2019 to 2024, EPA received no questions, concerns, or complaints from any members of the community surrounding the Site. Since remedy construction completion in 2001, there have been no major problems and the need has not arisen for any community involvement events. The proximity of EPA's Region 5 office to the Site facilitates EPA's availability to respond to any concerns by the local community. Therefore, no interviews with the community were conducted for this FYR. Except for correspondence from the IEPA and the PRPs, no public comments regarding the FYR have been received. The purpose of correspondence and discussions was to document any perceived problems or identifiable successes with the implemented remedy. Other than confirmation that Site monitoring and routine minor O&M tasks were successfully completed, the only issues identified were those summarized in Table 10 of Appendix B. (See Site Inspection Section below for further details). Successful completion of Site monitoring and O&M tasks have been documented in reports from the PRPs (Documents 23, 24, 26, and 27 in Appendix A).

### **Data Review**

Table 9 in Appendix B provides a summary of Site groundwater data including comparison against remedy cleanup goals. EPA reviewed 2019, 2020, 2021, and 2022 annual groundwater monitoring data from the Site (Documents 23, 24, 25, and 27 in Appendix A) and concluded that Site groundwater that contains contaminants continues to remain stable. Since the last FYR, Site groundwater has not changed significantly and contaminant concentrations are generally stable. The remaining COCs in groundwater at the Site are Aluminum, Arsenic, Chromium, and Manganese. Of these, current sampling and analysis data suggest that Chromium and Manganese continue to be present at levels above Illinois Groundwater Quality Standards for potable use. Figure 4 in Appendix B is a map showing the locations of Site monitoring wells.

Concentrations of contaminants in excess of cleanup goals have been detected in the OU2 area at locations MW-6S, MW-10S, MW-12SR, MW-38S, MW-39S, and MW-41S. MW-6S is located at the far south end of the Site adjacent to real estate being used by an asphaltting contractor. The manganese concentration in 2022 was 470 ppb, exceeding EPA's secondary MCL of 50 ppb and the Illinois Class I cleanup standard of 150 ppb. Since this concentration is not inconsistent with similar results over the past 10 years, this COC is not migrating or increasing at this location. MW-10S is east of OU2 in a state park. The concentration of manganese in 2022 was 310 ppb, exceeding EPA's secondary MCL of 50 ppb and the Illinois Class I cleanup standard of 150 ppb. The 2022 result of 310 ppb is an increase from 46 ppb in 2021. MW-12SR is at the southwest corner of OU2 immediately adjacent to the Woodland Hills facility. Manganese concentrations in 2022 were at 420 ppb, exceeding EPA's secondary MCL of 50 ppb and the Illinois Class I cleanup standard of 150 ppb. This concentration of 420 ppb is consistent with results from the past two FYRs. Therefore, this COC is not migrating or increasing at this location. MW-38S is northeast of the Site at the state park. Although the chromium concentration in 2022 was 160 ppb and exceeded EPA's MCL of 100 ppb, 160 ppb is a decrease from the 2021 concentration of 1,100 ppb. MW-39S is southwest of OU2 at the Woodland Hills facility. In 2022, the manganese concentration increased to 2,300 ppb, up from 820 ppb the previous year. MW-41S is west of OU2 on the Woodland Hills facility, and in 2022 the manganese concentration increased to 1,100

ppb, up from 270 ppb the previous year. Also sulfate increased at MW-41S to 436,000 ppb up from 226,000 the previous year.

Exceedances of cleanup goals are present in the OU3 area at locations MW-20S, MW-22I, MW-36I, and MW-36D. MW-20S is at the northern boundary of OU3. The 2022 chromium concentration was 520 ppb, exceeding EPA's MCL of 100 ppb. Also, manganese and nickel increased to 720 ppb and 2,100 ppb from the previous years' results of 420 ppb and 1,400 ppb. MW-22I is located at the far northwest corner of OU3. In 2022, the manganese concentration was 420 ppb, exceeding the Illinois Class I cleanup standard of 150 ppb. This COC has slowly increased over the past 10 years from 180 ppb. The location is within a nature preserve and groundwater is not used for any purpose. MW-36I and MW-36D are located at the far northwest corner of OU3. In 2022, the manganese concentration at MW-36I was 190 ppb and 670 ppb at MW-36D. These concentrations both exceed the Illinois Class I cleanup standard of 150 ppb but are values that are consistent with results from the past two FYRs.

The increases in COC concentrations at wells MW-10S, MW-39S, MW-41S, MW-20S, and MW-22I do not affect the protectiveness of the remedy, but EPA will continue to monitor and examine data at these locations for unacceptable increases that may require further action. These wells are in locations outside the Site boundary where groundwater is not being used for potable purposes: at the adjacent Woodland Hills facility, in the nature preserves, or the state park. The increases may be attributable to: 1) contributions from background contaminants or the adjacent Woodland Hills facility, 2) fluctuations in the water table or, 3) variation in seasonal precipitation amounts. Exceedances of cleanup goals at locations MW-6S, MW-12SR, MW-38S, MW-36I, and MW-36D do not affect the protectiveness of the remedy because these wells are located within the Site boundary and therefore this groundwater is not being used for any potable purpose.

EPA reviewed recent O&M data to assess operational effectiveness of the remedy components. Contractor reports on quarterly and annual inspections and sampling events indicate that the remedy continues to be effective with no major repairs necessary. Maintenance and inspection reports and the FYR Site inspection confirmed that the landfill cap and gas vents across the Site are in good operating condition. Consistent with EPA's January 31, 2013 Memo to the Site File (see Document 19 in Appendix A), the Site no longer generates appreciable amounts of landfill gas and the low amount that is occasionally generated is immediately vented. Long-term maintenance and regular inspection of the landfill cap is implemented and ensures that the remedy remains effective and contains Site waste material. No major cap maintenance or repair to erosion or surface drainage has been needed since 2019.

### **Site Inspection**

The Site inspection was performed on April 3, 2024. In attendance were John V. Fagiolo, EPA RPM and representatives of the PRPs. Representatives of IEPA were unable to attend. Inspection participants drove across portions of the Site property (landfill cover) and checked components of the remedy including monitoring wells and landfill gas vents. Monitoring wells and vents

appeared to be secured, undamaged, and otherwise in good condition. The Site perimeter (fence line) was visually inspected. The Site was found to be in good condition during the inspection. This FYR Site inspection confirmed that the Site has a good vegetative cover. Further, it was confirmed through visual observations that there is no indication of cap degradation on the Site, nor any related problems in areas adjacent to the Site. As documented in Section XI.E of Table 10 in Appendix B, there was one section of the OU2 cap that had ponding of rain and would require minor backfilling, re-grading, and installation of riprap. Work to address this issue is anticipated to be completed by the end of 2024. Overall, the landfill cap remains effective in reducing infiltration of precipitation. There were no signs of unacceptable erosion or unacceptable discarding of materials or wastes. Site housekeeping was good and there were no signs of any vandalism or other disturbances. Fences on the north, east, south, and west sides were properly in place. Although minor vegetation was observed in channels, flow is not obstructed. Information from this inspection was used to complete the FYR site inspection checklist, included as Table 10 in Appendix B.

## **V. TECHNICAL ASSESSMENT**

### **QUESTION A: Is the remedy functioning as intended by the decision documents?**

Yes. The remedy selected by the 1992 ROD and modified by the subsequent ESDs remains functional, operational, and effective. The implemented remedy has met and maintained RAOs because the landfill cap minimizes the migration of contaminants to groundwater and prevents direct contact with, or ingestion of, contaminants in the soil or landfill waste. No site uses which are inconsistent with the implemented ICs or the remedy objectives are occurring. The remedy is considered protective in the short-term because there is no evidence that there is current human exposure. There is no cracking, sliding, or settlement of the cap or other indicators of cap breaches; landfill gas is negligible and is successfully vented. No leachate seeps have been observed and there is no threat to any nearby residences or residential drinking water wells, which are no closer than 3,500 feet of the Site. With continued maintenance and monitoring of the Site landfill cap and passive landfill gas venting, the source area remedies contain any soil contamination and ensure that no excess human health risks develop.

ICs that prevent disturbance of the cap and prohibit use of the Site property are in place and are being maintained. The ICs are comprised of environmental covenants and help to ensure protectiveness of the remedy and prevent exposure to contaminants. Site access and use is restricted by a fence with a locked gate, both of which are maintained and in good condition. PRPs or their contractors regularly check and confirm that Site security is adequate. In addition, the Site area, currently leased by WMIL, has tenants who may report any trespassing or other improper use of the Site real estate.

Groundwater monitoring data were reviewed; indications from the data are that the landfill cap is effective in controlling contaminant input into the groundwater. The contaminant plume and concentrations continue to remain stable. There have been no detections of volatile organic

compound (VOC) contaminants since 2004 and concentrations of some inorganic contaminants have decreased.

EPA's observations and reports during this FYR period indicate that remedy systems are functioning as designed, that monitoring wells are well-maintained, and Site housekeeping is maintained. O&M at this Site appears to be effective.

**QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?**

Yes. The exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection are mostly still valid. Land and groundwater use at the Site is still consistent with the assumptions used to determine where cleanup would be performed. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy. There have been no current or known planned changes in expected land use at or near the Site, nor changes in human health exposure assumptions. There have been no changes in standards or to-be considereds (TBCs) for cleanup of Site contaminants since the 1992 remedy decision. Since the 2014 FYR, there have been no newly identified site contaminants or unanticipated toxic byproducts. Toxicity information and risk assessment methodologies used in the Site's remedy decision have not changed. There have been no changes in the toxicity factors for the COCs that were used in the baseline risk assessment. The assumptions used in the risk assessment are conservative and reasonable in evaluating risk and developing risk-based cleanup levels. There has been no change to the standardized risk assessment methodology that could affect the protectiveness of the remedy. Risk assessment methodologies used at the Tri-County/Elgin Landfills Site since the 1992 ROD have not changed.

Since the 2019 FYR, EPA has indicated the potential for the contaminants of emerging concern (CECs) at Superfund cleanup sites. For this Site, potential CECs are 1,4-Dioxane and per- and polyfluoroalkyl substances (PFAS). Annual sampling at the Site has shown the absence of VOCs including those associated with 1,4-Dioxane. This suggests that this CEC is not present. If this CEC is present, the remedy is still considered protective because there is no potable use of groundwater at or near the Site and ICs are in place that prohibit the use of Site groundwater. However, there has been no site-specific data obtained for this contaminant through groundwater sampling to confirm its absence at the Site. On April 10, 2024, EPA announced the final National Primary Drinking Water Regulation for six PFAS, where EPA established legally enforceable MCLs, for the six PFAS in drinking water. On April 19, 2024, the EPA also announced that it has finalized rulemaking to designate two PFAS - perfluorooctanoic acid and perfluorooctanesulfonic acid, including their salts and structural isomers - as hazardous substances under CERCLA. No Site documents available to EPA have suggested that any wastes disposed at the Site might have resulted in the presence of PFAS. If these CECs are present, the remedy is still considered protective because there is no potable use of groundwater at or near the Site and ICs are in place that prohibit the use of Site groundwater. However, EPA has no site-specific data confirming the absence of these CECs at the Site. Therefore, sampling for these emerging contaminants should be a requirement at this Site within the next FYR period.



Expected Progress Towards Meeting RAOs. Remedial components put into place are successfully containing contaminants. RAOs have been met and maintained at some locations but not yet Site-wide.

**QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?**

No. Notably, there have been no climate-related effects or natural disasters such as changes in river levels, inordinate changes in precipitation or temperature, or increased risk of floods that adversely impacted the Site remedy. No other events have affected the protectiveness of the remedy, and there is no other information that calls into question the short-term protectiveness of the remedy.

**VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS**

Table 7: Issues/Recommendations				
OU(s) without Issues/Recommendations Identified in the Five-Year Review:				
None.				
Issues and Recommendations Identified in the Five-Year Review:				
OU(s): 2	<b>Issue Category: Operations and Maintenance</b>			
	<b>Issue:</b> One area of the landfill cap was observed to have ponding of precipitation. That area should be backfilled and graded with replacement of some riprap.			
	<b>Recommendation:</b> Back-fill with clean soil, re-grade area, and install additional riprap.			
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	PRP	EPA	Dec. 31, 2024
OU(s): 2,3	<b>Issue Category: Monitoring</b>			
	<b>Issue:</b> There is no current sampling data documenting the absence of the CECs 1,4-Dioxane and PFAS at the Site.			
	<b>Recommendation:</b> Site monitoring should include at least one sampling event for the CECs 1,4-Dioxane and PFAS to determine if 1,4-Dioxane and PFAS are absent from the Site.			
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	PRP	EPA	Sept. 30, 2027

## **VII. PROTECTIVENESS STATEMENTS**

<b>OU2 Protectiveness Statement(s)</b>	
<i>Operable Unit: 2</i>	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Tri-County portion (OU2) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, groundwater cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place; the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following actions need to be taken to ensure protectiveness: one area of the OU2 landfill cap with observed ponding needs additional clean soil, re-grading, and additional riprap, and Site monitoring should include at least one sampling event within the next FYR period for the CECs 1,4-Dioxane and PFAS to determine if they are absent from the Site.	

<b>OU3 Protectiveness Statement(s)</b>	
<i>Operable Unit: 3</i>	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Elgin portion (OU3) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, groundwater cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place; the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Elgin Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: Site monitoring should include at least one sampling event within the next FYR period for the CECs 1,4-Dioxane and PFAS to determine if they are absent from the Site.	

### Sitewide Protectiveness Statement(s)

#### *Sitewide Protectiveness Determination:*

Short-term Protective

#### *Protectiveness Statement:*

For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap, gas collection, and passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: one area of the OU2 landfill cap with observed ponding needs additional clean soil, re-grading, and additional riprap, and Site monitoring should include at least one sampling event within the next FYR period for the CECs 1,4-Dioxane and PFAS to determine if they are absent from the Site.

### **VIII. NEXT REVIEW**

The next FYR report for the Tri-County Landfill Co./Waste Management Of Illinois, Inc. Superfund Site is required five years from the completion date of this review.

**APPENDIX A**  
**REFERENCE LIST**

**APPENDIX A: List of Reference Documents for the Fifth Five Year Review Report;**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, IL**

Site documents reviewed in preparation of this Five Year Review Report include the following:	
1.	Kane County Zoning Ordinance No. 76-29, dated March 9, 1976.
2.	Remedial Investigation Report for the Tri-County and Elgin Landfills; Elgin, IL; WW Engineering & Science, dated May 1991.
3.	Draft Final Feasibility Study of The Tri-County and Elgin Landfills; Elgin, IL; WW Engineering & Science, dated July 24, 1992.
4.	Record of Decision, signed September 30, 1992.
5.	Tri-County/Elgin Landfills Pre-design Report; Tri-County/Elgin Landfills; City of Elgin, Kane County, Illinois, dated February 1996.
6.	Explanation of Significant Differences #1, signed on June 25, 1996.
7.	Explanation of Significant Differences #2, signed on April 23, 1998.
8.	Unilateral Administrative Order for Remedial Design and Remedial Action, dated November 19, 1998.
9.	Explanation of Significant Differences #3, signed on July 14, 1999.
10.	Administrative Order for Remedial Design and Remedial Action for the Elgin Landfill Portion of the Site, signed on November 3, 1999.
11.	Administrative Order for Remedial Design and Remedial Action for the Tri-County Portion of the Site, signed on November 3, 1999.
12.	Explanation of Significant Differences #4, signed on July 3, 2001.
13.	Preliminary Close-Out Report (PCOR) for the Tri-County/Elgin Landfills Superfund Site, signed November 1, 2001.
14.	Remedial Action Long-Term Groundwater Monitoring Program, Tri-County Landfill, dated January 2002.
15.	Operation and Maintenance Plan; Tri-County Landfill; Kane County, Illinois, dated February 6, 2002.
16.	Operation and Maintenance Plan, Elgin Landfill Superfund Site, dated March 2003.
17.	First Five Year Review Report: Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois, dated Sept. 23, 2004.
18.	Second Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, IL, dated Sept. 3, 2009.
19.	EPA Memo to the Site File Regarding Change to the Operation of the Landfill Gas System, dated January 31, 2013.
20.	EPA Form #9100-4: Superfund Property Reuse Evaluation Checklist For Reporting the Sitewide Ready-For-Anticipated Use GPRA Measure, dated September 26, 2013.
21.	Third Five Year Review Report: Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois, dated July 3, 2014.
22.	Fourth Five Year Review Report: Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois, dated September 11, 2019.
23.	2019 Annual Report: Tri-County and Elgin Landfills, dated August 2020.
24.	2020 Annual Report: Tri-County and Elgin Landfills, dated June 2021.

**APPENDIX A: List of Reference Documents for the Fifth Five Year Review Report;**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, IL**

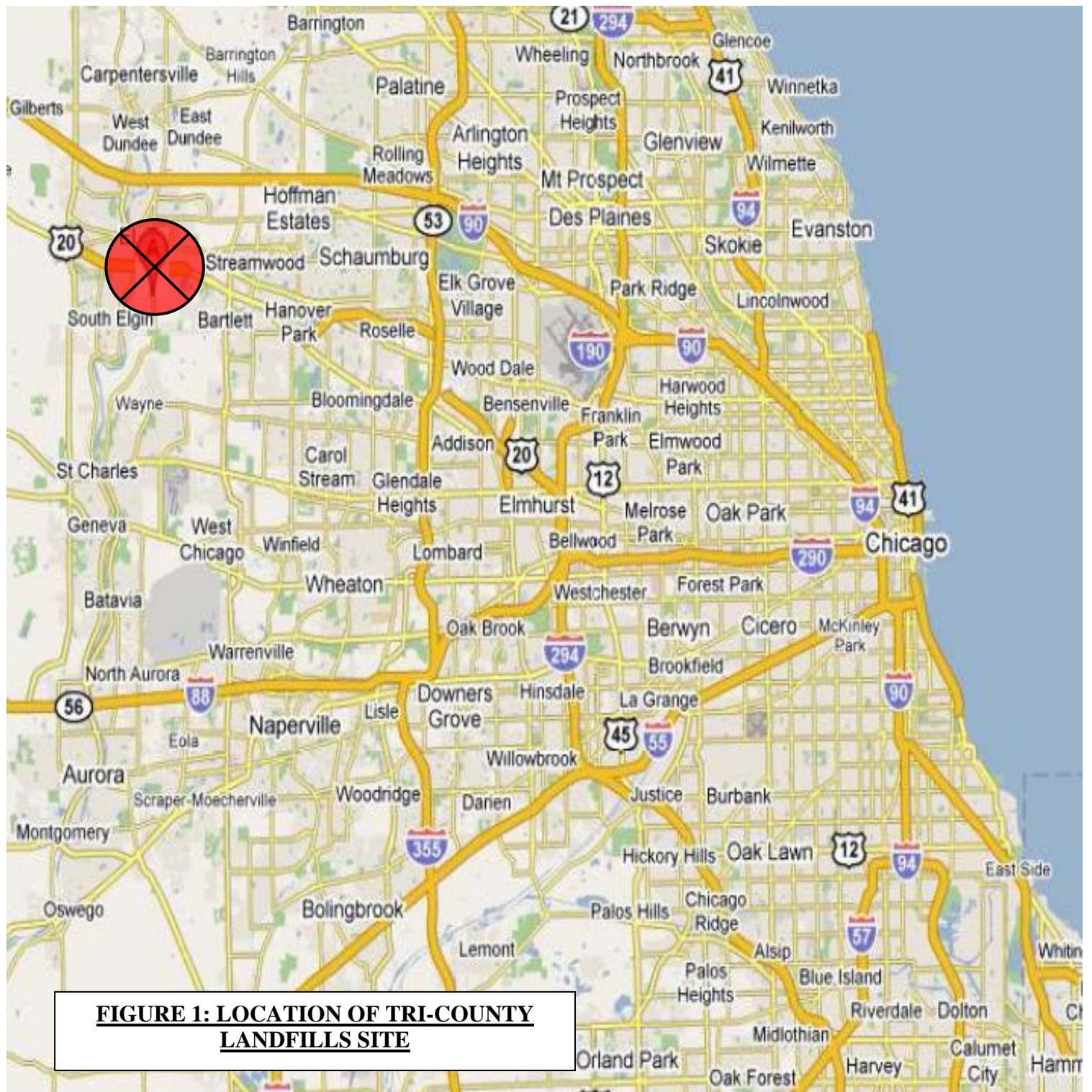
25.	Institutional Control Implementation and Assurance Plan (ICIAP); Tri-County and Elgin Landfills, dated January 2022.
26.	2021 Annual Report: Tri-County and Elgin Landfills, dated September 29, 2022.
27.	2022 Annual Report: Tri-County and Elgin Landfills, dated November 6, 2023.

**APPENDIX B**  
**FIGURES AND TABLES**

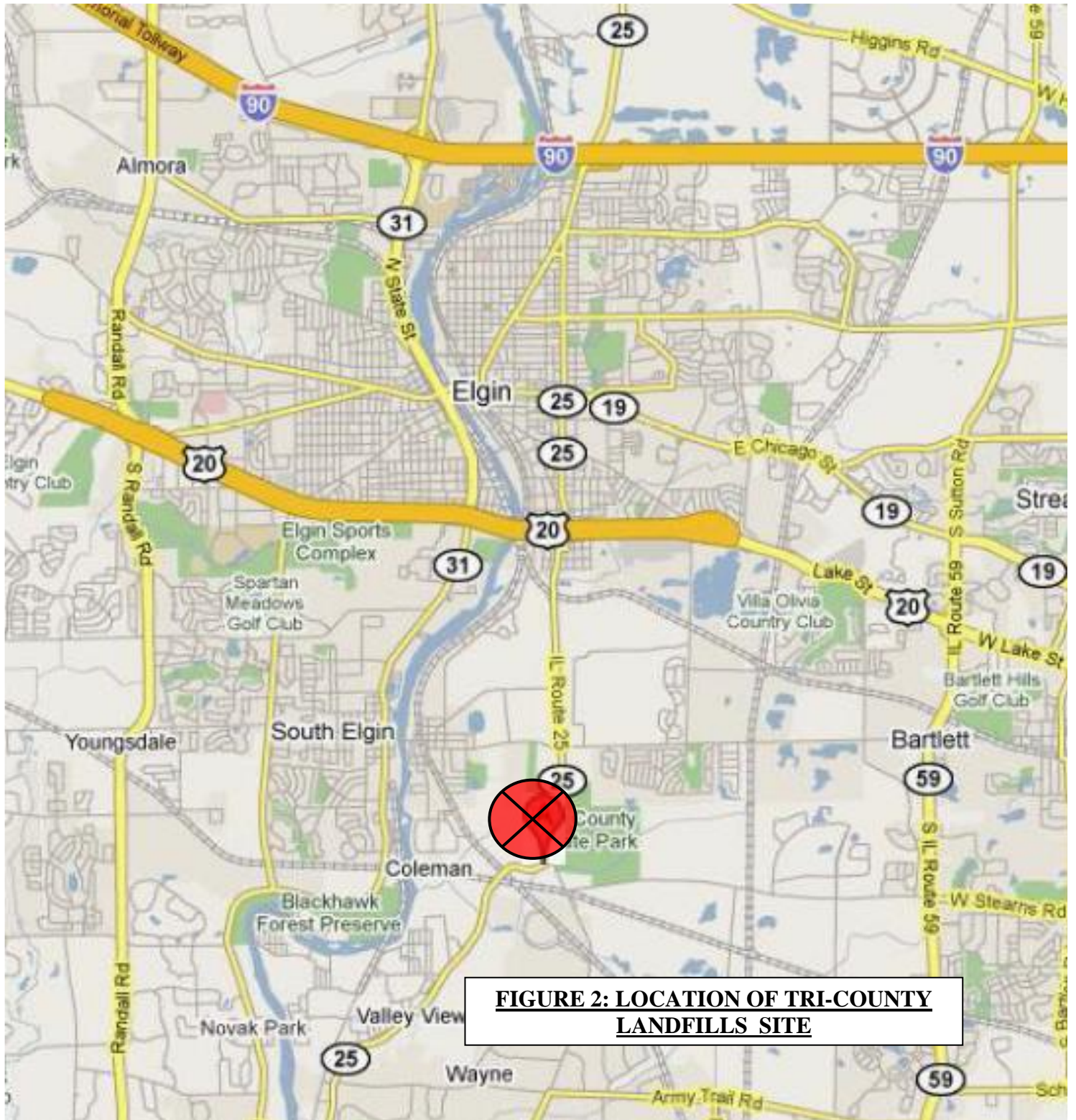


## **APPENDIX B: FIGURES AND TABLES**

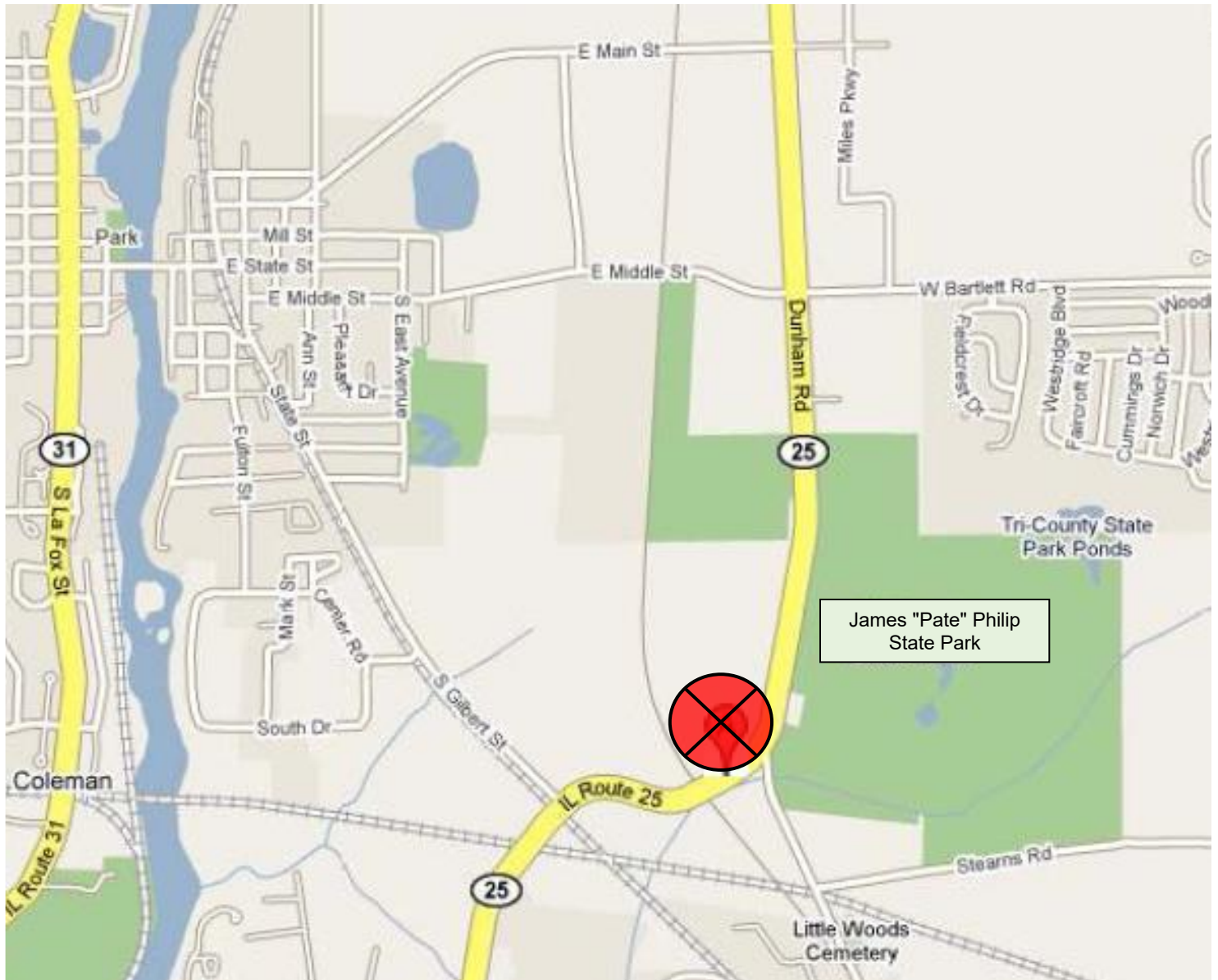
Figure 1	Site Location Map: Local and State Location
Figure 2	Site Location Map: Local
Figure 3	Site Location Map: Local
Figure 4	Approximate Wells Locations and Sampling Locations
Figure 5	Landfill Gas Collection System: Tri-County Portion
Figure 6	Landfill Gas Collection System: Elgin Portion
Figure 7	Tri-County/Elgin Landfills: Real Estate Parcels
Figure 8	Five-Year Review Advertisement
Table 8	Chronology of Site Events
Table 9	Summary of Groundwater Sampling Results
Table 10	Site Inspection Checklist; 2024 Five Year Review







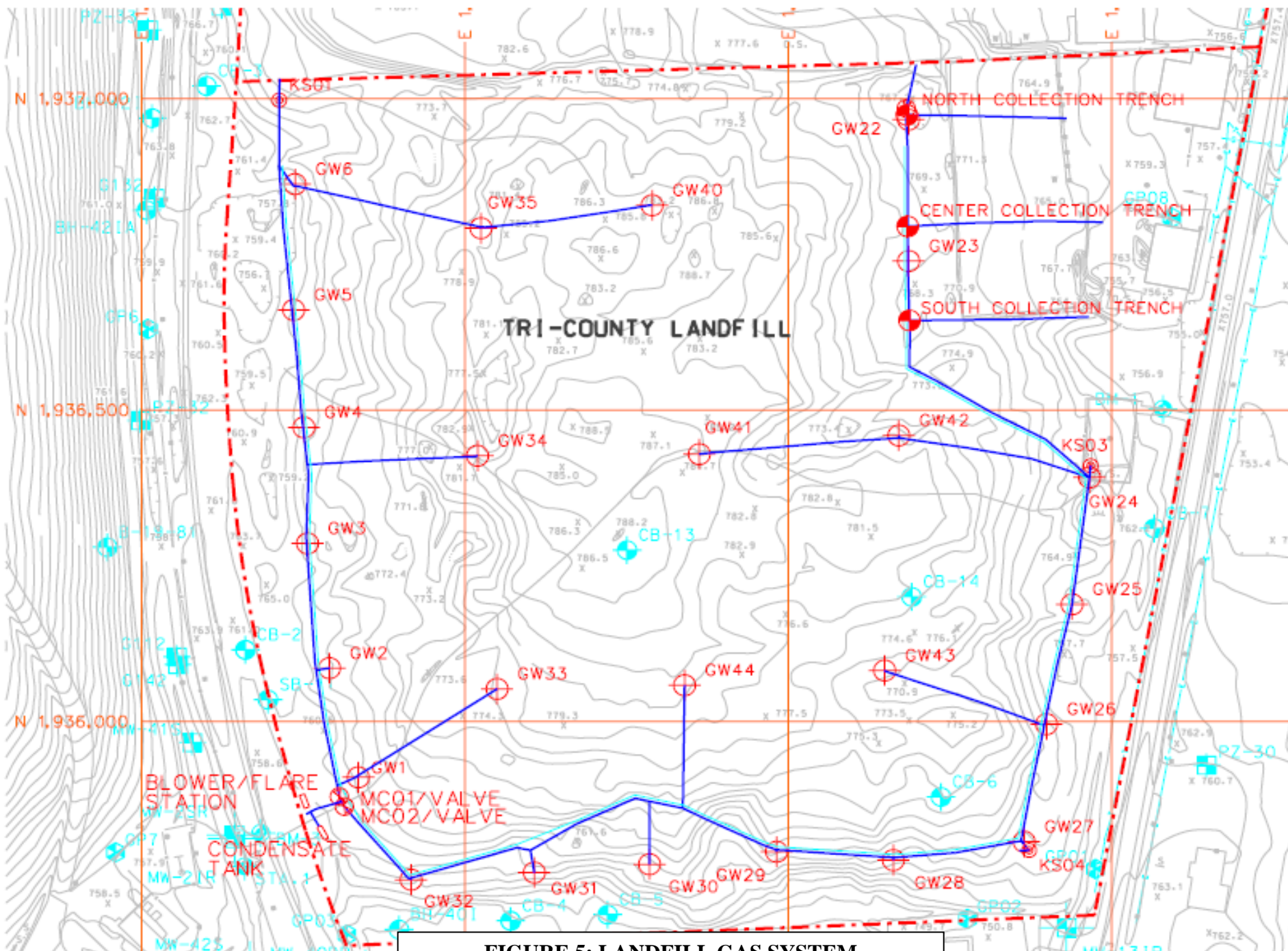
**FIGURE 2: LOCATION OF TRI-COUNTY  
LANDFILLS SITE**



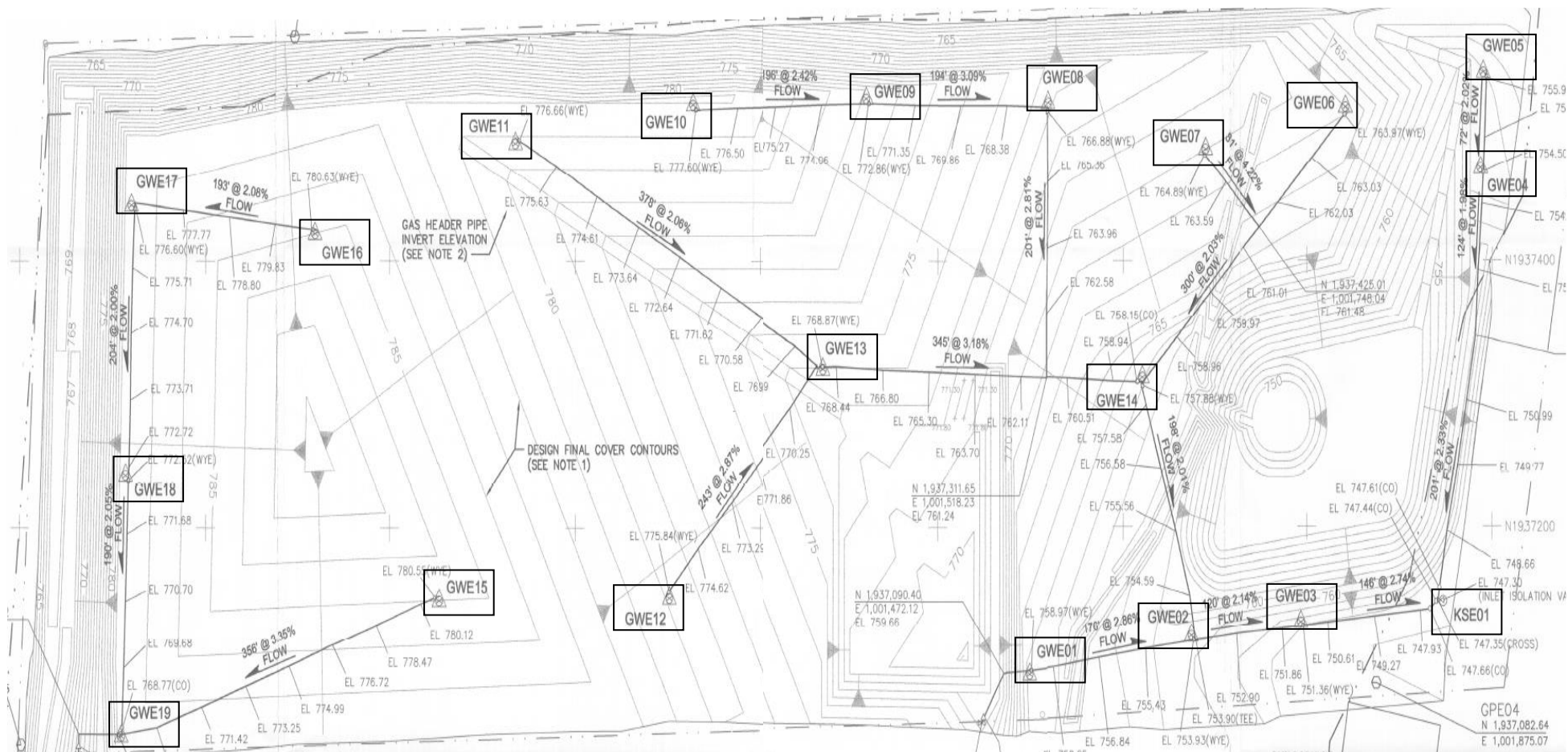
**FIGURE 3: LOCATION OF TRI-COUNTY  
LANDFILLS SITE**





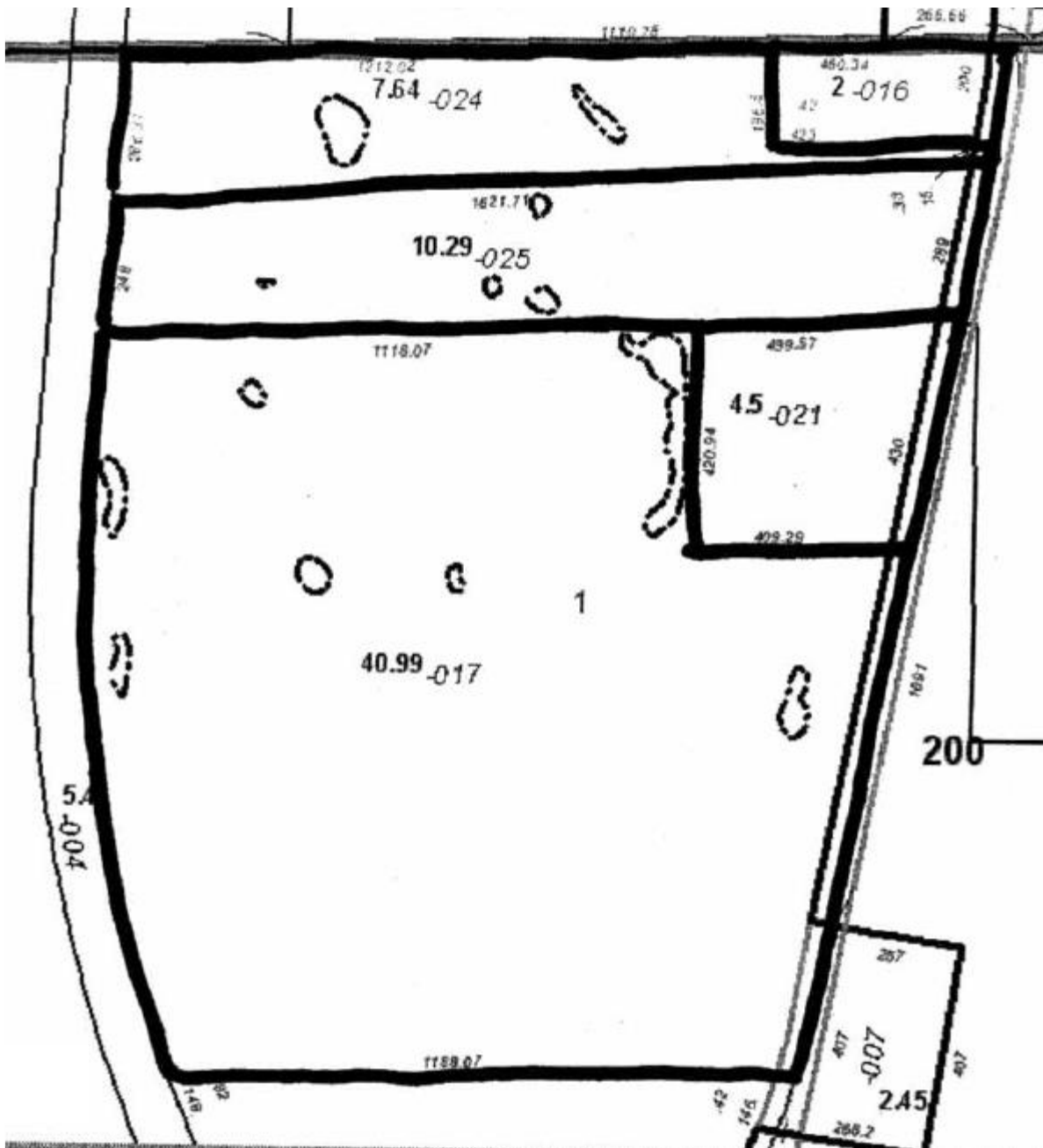


**FIGURE 5: LANDFILL GAS SYSTEM  
TRI-COUNTY PORTION**



**FIGURE 6: LANDFILL GAS SYSTEM  
ELGIN PORTION**





**FIGURE 7:**

**TRI-COUNTY/ELGIN LANDFILLS SITE  
REAL ESTATE PARCELS DELINEATION**

\* As determined by U.S. EPA Title Search of May 2005



## **EPA Begins Review Of Tri-County/Elgin Landfill Superfund Site Elgin, Illinois**

The U.S. Environmental Protection Agency is conducting a five-year review of the Tri-County/Elgin Landfill Superfund site, 7N904 Illinois Route 25, Elgin. The Superfund law requires regular checkups of sites that have been cleaned up – with waste managed on-site – to make sure the cleanup continues to protect people and the environment. This is the fifth review of the site.

U.S. EPA's original cleanup included grading of the land contour to control precipitation runoff and infiltration; protection of the future use of the land; an impermeable landfill cap over 66 acres including landfill gas collection and treatment; operation and maintenance of the cap and site fencing; and monitoring of groundwater at the site.

More information is available at the Gail Borden Public Library, 270 N. Grove Ave., Elgin, and <https://epa./superfund/tri-county-waste-mgmt.com>. The review should be completed this September 2024.

The five-year-review is an opportunity for you to tell U.S. EPA about site conditions and any concerns you have. Contact:

**Cheryl Allen**

Community Involvement Coordinator

312-353-6196

[allen.cheryl@epa.gov](mailto:allen.cheryl@epa.gov)

**John Fagiolo**

Remedial Project Manager

312-886-0800

[fagiolo.john@epa.gov](mailto:fagiolo.john@epa.gov)

You may also call U.S. EPA toll-free at 800-621-8431, 8:30 a.m. to 4:30 p.m., weekdays.

**FIGURE 8: Five-Year Review Advertisement, dated April 3, 2024**  
**Tri-County/Elgin Landfills Superfund Site**

**TABLE 8: SITE CHRONOLOGY****TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE; FIFTH FIVE YEAR REVIEW**

Event	Date
Waste Disposal Operations at Tri-County Landfill.	1968 - 1976
Waste Disposal Operations at Elgin Landfill.	1961 - 1976
Initial discovery of contamination.	May 1971
Cease and Desist Order – Illinois Pollution Control Board (IPCB).	April 12, 1973
Site placed on National Priorities List (NPL).	March 31, 1989
U.S. EPA Remedial Investigation/Feasibility Study (RI/FS) complete.	July 24, 1992
Record of Decision (ROD) signature.	September 30, 1992
Administrative Order on Consent (AOC) with WMIL and BFI (now RSI).	February 2, 1994
Pre-Design Investigation (PDI) Report complete.	January 19, 1996
Explanation of Significant Differences (ESD) - #1.	June 25, 1996
Remedial Design (RD) complete.	September 30, 1997
ESD - #2.	April 23, 1998
Unilateral Administrative Order (UAO) for RA: WMIL/Tri-County LF Co.	September 24, 1998
UAO for RA issued to BFI.	November 19, 1998
Removal Work Plan/Notice of Authorization to Proceed with RA.	May 25, 1999
AOC <i>de minimis</i> .	June 11, 1999
ESD - #3.	July 14, 1999
UAO to BFI (later AWI, now RSI).	November 3, 1999
UAO to WMIL and Tri-County Landfill Company.	November 3, 1999
Consent Decree for Settlement of Claims Against 26 Municipal Solid Waste Generators Entered in U.S. District Court.	July 12, 2000
RA complete: Tri-County Landfill.	September 30, 2000
ESD - #4.	July 3, 2001
RA complete: Elgin Landfill.	November 1, 2001
Preliminary Closeout Report (PCOR) is signed.	November 1, 2001
First Five Year Review Report is signed.	September 23, 2004
Consent Decree for Payment of Response Costs: AWI (now RSI), WMIL.	May 16, 2007
Second Five Year Review Report is signed.	September 3, 2009
PRPs request change from "active" LFG vacuum collection and flaring to "passive" atmospheric venting system.	February 20, 2012
WMIL discontinues use of vehicle and container storage facility on-site.	Summer 2012
EPA issues "Memorandum to Site File" documenting and approving changing the LFG system to a passive venting design.	January 31, 2013
RSI completes purchase of (former) Pingel property through Kane County property tax delinquency process.	August 2013
Final Restrictive Covenant for the Site is recorded in Kane County.	September 25, 2013
Site achieves Sitewide Ready for Anticipated Use status.	September 26, 2013
PRPs complete conversion of LFG system to passive atmospheric venting.	Fall 2013
Third Five Year Review Report is signed.	January 6, 2014
Fourth Five Year Review is signed.	September 11, 2019
Fifth Five Year Review is started.	September 15, 2023

**TABLE 9: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED <sup>1</sup>**  
**FIFTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Groundwater Contaminant <sup>2</sup>	Units	2012 Results	2018 Results	2021 Results	2022 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
TRI-COUNTY PORTION									
G-112	Chloride	ug/L	560,000	673,000	656,000	703,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	1,750,000	2,170,000	1,960,000	2,040,000	500,000 <sup>4</sup>	1,200,000	1,200,000
G-135	Dissolved Solids	ug/L	457,000 <sup>5</sup>	349,000	388,000	300,000	500,000 <sup>4</sup>	1,200,000	1,200,000
G-142	Chloride	ug/L	445,000	416,000	371,000	383,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	1,420,000	1,410,000	1,260,000	1,220,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	2,100 <sup>5</sup>	380	450	1,200	300 <sup>4</sup>	5,000	5,000
MW-1-S	Dissolved Solids	ug/L	638,000 <sup>5</sup>	478,000	536,000	417,000	500,000 <sup>4</sup>	1,200,000	1,200,000
MW-1-I-1	Dissolved Solids	ug/L	756,000 <sup>5</sup>	1,020,000	1,060,000	971,000	500,000 <sup>4</sup>	1,200,000	1,200,000
MW-1-I-2	Nitrite (as N)	ug/L	< 500 <sup>5</sup>	50	50	50	10,000	-	-
MW-1-DR	Chloride	ug/L	64,600 <sup>5</sup>	80,500	76,300	76,500	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	486,000 <sup>5</sup>	521,000	531,000	528,000	500,000 <sup>4</sup>	1,200,000	1,200,000
MW-2-SR	Aluminum	ug/L	330 <sup>5</sup>	60	60 <sup>6</sup>	60	50 <sup>4</sup>	-	-
	Dissolved Solids	ug/L	867,000 <sup>5</sup>	567,000	667,000 <sup>6</sup>	508,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Manganese	ug/L	79 <sup>5</sup>	1	1 <sup>6</sup>	1	50 <sup>4</sup>	150	10,000
	Nickel	ug/L	240	4	4 <sup>6</sup>	4	-	100	2,000
	Nitrate	ug/L	< 500 <sup>5</sup>	3,640	13,900 <sup>6</sup>	1,470	10,000	10,000	10,000
	Sulfate	ug/L	157,000 <sup>5</sup>	156,000	247,000 <sup>6</sup>	141,000		400,000	
MW-2-IR	Aluminum	ug/L	200 <sup>5</sup>	60	60	60	50 <sup>4</sup>	-	-
	Iron	ug/L	2,000 <sup>5</sup>	810	1,200	480	300 <sup>4</sup>	5,000	5,000
MW-5-SR	Dissolved Solids	ug/L	440,000 <sup>5</sup>	278,000	316,000	257,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	1,500 <sup>5</sup>	1,700	800	1,800	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	420	260	240	270	50 <sup>4</sup>	150	10,000
MW-5-IR	Aluminum	ug/L	100 <sup>5</sup>	71	70	60	50 <sup>4</sup>	-	-
	Dissolved Solids	ug/L	341,000 <sup>5</sup>	396,000	316,000	406,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	1,500 <sup>5</sup>	1,800	1,000	1,400	300 <sup>4</sup>	5,000	5,000
MW-6-S	Arsenic	ug/L	15	< 10	4.9	4.6	10	50	200
	Chloride	ug/L	129,000 <sup>5</sup>	214,000	124,000	71,400	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	774,000 <sup>5</sup>	956,000	669,000	580,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	11,500	12,400	12,000	11,200	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	410	590	520	470	50 <sup>4</sup>	150	10,000
MW-6-I	Aluminum	ug/L	1,700 <sup>5</sup>	60	60	60	50 <sup>4</sup>	-	-
	Chloride	ug/L	125,000 <sup>5</sup>	122,000	104,000	103,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	595,000 <sup>5</sup>	587,000	520,000	539,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	9,900	5,400	4,300	4,600	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	90 <sup>5</sup>	36	24	27	50 <sup>4</sup>	150	
MW-10-S	Aluminum	ug/L	8,800 <sup>5</sup>	150	290	63	50 <sup>4</sup>	-	-
	Manganese	ug/L	200	26	46	310	50 <sup>4</sup>	150	10,000
	Iron	ug/L	1,200 <sup>5</sup>	260	420	220	300 <sup>4</sup>	5,000	5,000
	Lead	ug/L	< 5 <sup>5</sup>	< 5	1	1	0	7.5	
MW-10-I	Aluminum	ug/L	1,900 <sup>5</sup>	11,400	670	1,300	50 <sup>4</sup>	-	-
	Iron	ug/L	1,500 <sup>5</sup>	7,500	690	1,600	300 <sup>4</sup>	5,000	5,000

- 1 Either the EPA MCL or Secondary MCL, or Illinois Groundwater Quality Standard for a Class I or II aquifer. 2012 and 2018 data are included in this table for comparison to previous Five Year Reviews. 2019 and 2020 data was reviewed but not included in this summary.
- 2 As summarized in 2004, 2009, 2014, & 2019 Five Year Review Reports. Since 2004, there has been no exceedance of any organic chemical contaminant.
- 3 NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.
- 4 Secondary MCLs (SMCLs) are non-mandatory water quality standards that EPA does not enforce.
- 5 Contaminant no longer exceeds background concentrations based on 2012 data.
- 6 Data result is from the 2020 Annual Report.

**TABLE 9: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED <sup>1</sup>**  
**FIFTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Groundwater Contaminant <sup>2</sup>	Units	2012 Results	2018 Results	2021 Results	2022 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
	Manganese	ug/L	75 <sup>5</sup>	100	69	94	50 <sup>4</sup>	150	10,000
MW-12-SR	Arsenic	ug/L	23	< 10	12	7.1	10	50	200
	Dissolved Solids	ug/L	402,000 <sup>5</sup>	286,000	334,000	310,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	4,000 <sup>5</sup>	2,500	2,400	2,800	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	400	420	440	420	50 <sup>4</sup>	150	10,000
MW-12-IR	Arsenic	ug/L	28	< 10	1.2	1	10	50	200
	Chloride	ug/L	67,200 <sup>5</sup>	286,000	259,000	265,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	441,000 <sup>5</sup>	1,050,000	815,000	887,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	6,800	770	640	350	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	79 <sup>5</sup>	32	26	25	50 <sup>4</sup>	150	10,000
	Chromium (total)	ug/L	140	30	22	23	100	100	
	Nickel (total)	ug/L	110	98	47	35	-	100	2,000
MW-13-IR	Aluminum	ug/L	< 60 <sup>5</sup>	< 60	60	60	50 <sup>4</sup>		
	Dissolved Solids	ug/L	483,000 <sup>5</sup>	520,000	494,000	537,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	1,200 <sup>5</sup>	1,200	1,300	1,500	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	43 <sup>5</sup>	33	35	39	50 <sup>4</sup>	150	10,000
MW-25-S	Dissolved Solids	ug/L	541,000 <sup>5</sup>	431,000	393,000	370,000	500,000 <sup>4</sup>	1,200,000	1,200,000
MW-38-S	Aluminum	ug/L	60 <sup>5</sup>	2,400	1,900	270	50 <sup>4</sup>	-	-
	Chromium (total)	ug/L	110	1,900	1,100	160	100	100	1,000
	Dissolved Solids	ug/L	530,000 <sup>5</sup>	314,000	388,000	395,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	660 <sup>5</sup>	43,300	9,800	1,200	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	6.8 <sup>5</sup>	860	350	45	50 <sup>4</sup>	150	10,000
MW-39-S	Aluminum	ug/L	120 <sup>5</sup>	220	170	60	50 <sup>4</sup>	-	-
	Dissolved Solids	ug/L	505,000 <sup>5</sup>	498,000	380,000	402,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	540 <sup>5</sup>	5,700	2,500	5,500	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	1,100	1,800	820	2,300	50 <sup>4</sup>	150	10,000
MW-39-I	Aluminum	ug/L	340 <sup>5</sup>	60	60	60	50 <sup>4</sup>	-	-
	Dissolved Solids	ug/L	576,000 <sup>5</sup>	634,000	612,000	576,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	770 <sup>5</sup>	650	1,100	1,100	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	250	230	250	210	50 <sup>4</sup>	150	10,000
MW-40-DR	Aluminum	ug/L	< 60 <sup>5</sup>	60	60	60	50 <sup>4</sup>	-	-
	Arsenic	ug/L	13	24	4.9	5.6	10	50	200
	Chloride	ug/L	383,000	474,000	677,000	720,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	1,360,000	1,570,000	1,580,000	2,090,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	5,900	9,800	4,800	5,200	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	140 <sup>5</sup>	67	51	54	50 <sup>4</sup>	150	10,000
MW-41-S	Dissolved Solids	ug/L	806,000 <sup>5</sup>	1,450,000	797,000	1,660,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	1,700 <sup>5</sup>	600	750	510	300 <sup>4</sup>	5,000	5,000

<sup>1</sup> Either the EPA MCL or Secondary MCL, or Illinois Groundwater Quality Standard for a Class I or II aquifer. 2012 and 2018 data are included in this table for comparison to previous Five Year Reviews. 2019 and 2020 data was reviewed but not included in this summary.

<sup>2</sup> As summarized in 2004, 2009, 2014, & 2019 Five Year Review Reports. Since 2004, there has been no exceedance of any organic chemical contaminant.

<sup>3</sup> NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

<sup>4</sup> Secondary MCLs (SMCLs) are non-mandatory water quality standards that EPA does not enforce.

<sup>5</sup> Contaminant no longer exceeds background concentrations based on 2012 data.

<sup>6</sup> Data result is from the 2020 Annual Report.

**TABLE 9: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED <sup>1</sup>**  
**FIFTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Groundwater Contaminant <sup>2</sup>	Units	2012 Results	2018 Results	2021 Results	2022 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
MW-41-S	Manganese	ug/L	870	180	270	1,100	50 <sup>4</sup>	150	10,000
	Nitrate (as N)	ug/L	1,880 <sup>5</sup>	38,700	5,120	222	10,000	10,000	10,000
	Sulfate	ug/L	113,000 <sup>5</sup>	296,000	226,000	436,000	250,000 <sup>4</sup>	400,000	400,000
PW-07 (Private Well)	Arsenic	ug/L	16	< 10	6.3	4.6	10	50	200
	Chloride	ug/L	878,000	837,000	645,000	777,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	2,550,000	2,590,000	2,050,000	2,230,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	15,000	540	980	600	300 <sup>4</sup>	5,000	5,000
PW-09	Iron	ug/L	2,600 <sup>5</sup>	2,100	1,100	870	300 <sup>4</sup>	5,000	5,000
PW-22	Chloride	ug/L	NA <sup>3</sup>	135,000	133,000	136,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L		661,000	594,000	632,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L		1,100	670	440	300 <sup>4</sup>	5,000	5,000
PW-23	Iron	ug/L	3,100 <sup>5</sup>	2,700	2,700	94	300 <sup>4</sup>	5,000	5,000
	Chloride	ug/L	276,000	320,000	244,000	289,000	250,000 <sup>4</sup>	200,000	200,000
	Manganese	ug/L	1,500	39	19	1	50 <sup>4</sup>	150	10,000
<b>ELGIN PORTION</b>									
Sampling Location	Exceedance Parameters**	Units	2012 Results	2018 Results	2021 Results	2022 Results	EPA MCL	IL GW Quality Standards	
								Class I	Class II
G-111	Chloride	ug/L	296,000	336,000	318,000	336,000	250,000 <sup>4</sup>	200,000	200,000
	Dissolved Solids	ug/L	1,390,000	1,310,000	1,130,000	1,120,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	260 <sup>5</sup>	97	150	170	50 <sup>4</sup>		
	Iron	ug/L	8,700	7,000	7,200	7,100	300 <sup>4</sup>	5,000	5,000
G-141	Iron	ug/L	3,000 <sup>5</sup>	1,800	1,900	3,000	300 <sup>4</sup>	5,000	5,000
MW-9-S	Dissolved Solids	ug/L	872,000 <sup>5</sup>	459,000	539,000	639,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	NA <sup>3</sup>	NA	NA	NA	50 <sup>4</sup>		
	Iron	ug/L	NA	0	NA	NA	300 <sup>4</sup>	5,000	5,000
MW-9-I	Dissolved Solids	ug/L	934,000	903,000	700,000	724,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	NA	NA	NA	NA	50 <sup>4</sup>		
	Iron	ug/L	NA	0	200	470	300 <sup>4</sup>	5,000	5,000
MW-9-D	Iron	ug/L	NA	630	1,500	1,500	300	5,000	5,000
MW-20-S	Chloride	ug/L	550,000	63,600	102,000	229,000	250,000	200,000	200,000
	Chromium (total)	ug/L	2,600	210	32,900	520	100	100	1,000
	Dissolved Solids	ug/L	1,800,000	612,000	698,000	807,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	14,000	510	41,900	14,900	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	670	29	420	720	50 <sup>4</sup>	150	10,000
	Nickel	ug/L	660	87	1,400	2,100	-	100	2,000
MW-22-I	Chloride	ug/L	80,200 <sup>5</sup>	21,600	33,100	38,700	250,000	200,000	200,000
	Dissolved Solids	ug/L	672,000 <sup>5</sup>	537,000	556,000	454,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	< 60 <sup>5</sup>	280	60	60	50 <sup>4</sup>		
	Arsenic	ug/L	8.7 <sup>5</sup>	6.5	5	5.3	10	50	200

- 1 Either the EPA MCL or Secondary MCL, or Illinois Groundwater Quality Standard for a Class I or II aquifer. 2012 and 2018 data are included in this table for comparison to previous Five Year Reviews. 2019 and 2020 data was reviewed but not included in this summary.
- 2 As summarized in 2004, 2009, 2014, & 2019 Five Year Review Reports. Since 2004, there has been no exceedance of any organic chemical contaminant.
- 3 NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.
- 4 Secondary MCLs (SMCLs) are non-mandatory water quality standards that EPA does not enforce.
- 5 Contaminant no longer exceeds background concentrations based on 2012 data.
- 6 Data result is from the 2020 Annual Report.

**TABLE 9: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED <sup>1</sup>**  
**FIFTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Groundwater Contaminant <sup>2</sup>	Units	2012 Results	2018 Results	2021 Results	2022 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
	Iron	ug/L	7,200	4,400	3,800	4,100	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	180	280	420	420	50 <sup>4</sup>	150	10,000
MW-23-I	Chloride	ug/L	187,000 <sup>5</sup>	188,000	159,000	201,000	250,000 <sup>4</sup>	200,000	200,000
MW-23-I	Dissolved Solids	ug/L	936,000 <sup>5</sup>	930,000	852,000	822,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	88 <sup>5</sup>	280	170	65	50 <sup>4</sup>		
	Iron	ug/L	2,600 <sup>5</sup>	2,900	2,700	3,000	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	82 <sup>5</sup>	54	55	58	50 <sup>4</sup>	150	10,000
MW-24-S	Dissolved Solids	ug/L	599,000 <sup>5</sup>	624,000	616,000	648,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Iron	ug/L	3,000 <sup>5</sup>	140	180	690	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	450	11	140	140	50 <sup>4</sup>	150	10,000
	Nickel	ug/L	150	15	23	25	-	100	2000
	Nitrate/Nitrite (as N)	ug/L	580 <sup>5</sup>	3,570	980	NA	1,000	10,000	10,000
	Chromium	ug/L		< 5	5	15	100	100	1,000
MW-34-S	Dissolved Solids	ug/L	NA	NA	NA	NA	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L					50 <sup>4</sup>		
	Iron	ug/L					300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L					50 <sup>4</sup>	150	10,000
	Nitrate/Nitrite (as N)	ug/L					1,000 <sup>4</sup>	10,000	10,000
MW-36-I	Chloride	ug/L	265,000	273,000	269,000	298,000	250,000 <sup>4</sup>	200,000	200,000
	Chromium	ug/L	120	26	40	58	100	100	1,000
	Dissolved Solids	ug/L	1,200,000	1,020,000	966,000	932,000	500,000 <sup>4</sup>	1,200,000	1,200,000
	Aluminum	ug/L	65 <sup>5</sup>	< 60	60	71	50 <sup>4</sup>		
	Iron	ug/L	10,100	11,100	9,200	10,900	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	260	210	210	190	50 <sup>4</sup>	150	10,000
	Nickel	ug/L	68 <sup>5</sup>	21	20	23	-	100	2000
MW-36-S	Nickel	ug/L	150	240	120	18	-	100	2000
	Chromium	ug/L	68	280	300	34	100	100	1,000
MW-36-D	Aluminum	ug/L	140 <sup>5</sup>	130	60	60	50 <sup>4</sup>		
	Manganese	ug/L	730	720	640	670	50 <sup>4</sup>	150	10,000
MW-38-I	Aluminum	ug/L	120 <sup>5</sup>	< 60	160	72	50 <sup>4</sup>		
	Iron	ug/L	930 <sup>5</sup>	890	1,000	980	300 <sup>4</sup>	5,000	5,000
MW-38-D	Aluminum	ug/L	<60	< 60	60	60	50 <sup>4</sup>		
	Iron	ug/L	1,800	1,900	2,100	360	300 <sup>4</sup>	5,000	5,000
	Manganese	ug/L	190	160	210	3	50 <sup>4</sup>	150	10,000

- 1 Either the EPA MCL or Secondary MCL, or Illinois Groundwater Quality Standard for a Class I or II aquifer. 2012 and 2018 data are included in this table for comparison to previous Five Year Reviews. 2019 and 2020 data was reviewed but not included in this summary.
- 2 As summarized in 2004, 2009, 2014, & 2019 Five Year Review Reports. Since 2004, there has been no exceedance of any organic chemical contaminant.
- 3 NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.
- 4 Secondary MCLs (SMCLs) are non-mandatory water quality standards that EPA does not enforce.
- 5 Contaminant no longer exceeds background concentrations based on 2012 data.
- 6 Data result is from the 2020 Annual Report.



**TABLE 10: Fifth Five Year Review Site Inspection Checklist**  
**TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE: APRIL 2024**

<b>I. SITE INFORMATION</b>	
Site name: <b>TRI-COUNTY/ELGIN LANDFILLS</b>	Date of inspection: <b>WED., APRIL 3, 2024</b>
Location and Region: <b>ELGIN, ILLINOIS.</b> <b>U.S. EPA REGION 5</b>	EPA ID: <b>ILD 048 306 138; Spill ID # 052G</b>
Agency, office, or company leading the five-year review: <b>U. S. ENVIRONMENTAL PROTECTION AGENCY; REGION 5 CHICAGO</b>	Weather/temperature: <b>OVERCAST, OCCASIONAL LIGHT RAIN. WIND 15 MPH. TEMP. 40 DEG. F</b>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Landfill cover/containment  <input checked="" type="checkbox"/> Access controls  <input checked="" type="checkbox"/> Institutional controls  <input type="checkbox"/> Groundwater pump and treatment  <input type="checkbox"/> Surface water collection and treatment  <input checked="" type="checkbox"/> Other: <u>Long term groundwater monitoring; Landfill gas (LFG) collection with passive venting and an intermittent open flare if needed. As of late 2013, LFG is vented to the atmosphere. The vacuum system and LFG flare are still maintained in the event they may be needed in future. Surface water gravity drains to wetland collection / infiltration area.</u> </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Monitored natural attenuation  <input type="checkbox"/> Groundwater containment  <input type="checkbox"/> Vertical barrier walls </div> </div>	
<b>Attachments:</b> <input type="checkbox"/> Inspection team roster attached <input checked="" type="checkbox"/> Site map attached ( <b>See Figures 4-6</b> )	
<b>II. INTERVIEWS / PARTICIPANTS</b> (Check all that apply)	
<b>EPA Remedial Project Manager:</b> John V. Fagiolo; 77 West Jackson Blvd. (Mail Code SR-6J); Chicago IL 60604; Telephone: 312.886.0800; email: fagiolo.john@epa.gov  1. O&M site manager <b>A. <u>Waste Management, Inc. of Illinois (WMIL):</u></b> <b>Rod Stipe, CHMM, QEP</b> <b>District Manager, Environmental Legacy Management Group</b> <b>720 E Butterfield Road, Suite 400; Lombard, IL 60148</b> <b>Cell: 630 888 4611; email "rstipe@wm.com"</b>  <b>B. <u>Republic Services, Inc. (RSI, formerly Allied Waste (AWI) formerly Browning Ferris (BFI)).</u></b> <b>NOTE: For the purposes of this five-year review, it is RSI.</b> <b>Eric Ballenger, Hydrogeologist.</b> <b>26 W. 580 Schick Road; Hanover Park, IL 60133.</b> <b>630-894-9095; FAX: 630-894-9089; email: "EBallenger@republicservices.com"</b>  Interviewed <input checked="" type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail and in person on site.</u>	
2. O&M staff: <b>A. <u>Blue Flame Crew LLC; Dan Sawyer, Project Manager. P.O. Box 525; Naperville, IL 60566.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>Through WMIL and RSI.</u> Phone no. <u>(630) 639-7266; email: "DSawyer@blueflameco.com"</u>	

**B. SCS Engineers; Scott Knoepke, Project Director.**

Interviewed ☐ at site ☐ at office ☐ by phone ☒ Other: Through RSI and WMIL.

40 Shuman Blvd, Suite 216; Naperville, Illinois 60563

Phone no. (331) 806-4290; email: "SKnoepke@scsengineers.com"

**C. WMIL (adjacent to site): Woodland Recycling Disposal Facility (RDF).**

Interviewed ☐ at site ☐ at office ☐ by phone ☒ Other: Through R. Stipe of WMIL.

Phone no. Michael Drendel, Manager; (847) 841-7208, (847) 741-0219

Problems, suggestions:

The contractors for WMIL and RSI were not present but were consulted prior to this inspection. WMIL and RSI consult with their O&M contractors at a minimum quarterly.

3. Local regulatory authorities and response agencies (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

A. Agency Illinois Environmental Protection Agency (IEPA)

Contact Angelic Mandell, Project Coordinator; Federal Site Remediation Section;

1021 North Grand Avenue East, #24; P.O. Box 19276; Springfield, IL 62794-9276.

Phone: (217) 558-0098; email: Angelic.Mandell@illinois.gov

Problems; suggestions:

None.

B. Agency \_\_\_\_\_

Contact \_\_\_\_\_

Problems; suggestions:

NOTE: No other interviews were conducted with any local regulatory authorities and response agencies. As of April 29, 2024, no comments have been received by U.S. EPA as a result of the public notice (Elgin Courier) and no problems were reported to U.S. EPA or IEPA in the past 5 years.

4. Other interviews (optional): **None.**

**III. ON-SITE DOCUMENTS & RECORDS VERIFIED** (Check all that apply)

1. O&M Documents

O&M manual

☒ Readily available

☒ Up to date ☐ N/A

As-built drawings

☒ Readily available

☒ Up to date ☐ N/A

Maintenance logs

☒ Readily available

☒ Up to date ☐ N/A

Remarks: All of the above listed documents were confirmed to be available during the site inspection in an updated form. These documents are located on site at the WMIL building. Copies are present at WMI and RSI offices and the offices of their contractors.

2.	Site-Specific Health and Safety Plan <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A Contingency plan/emergency response plan <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A Remarks: <b><u>All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are at WMIL and RSI offices and the offices of their contractors.</u></b>
3.	O&M and OSHA Training Records <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A Remarks: <b><u>All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are at WMIL and RSI offices and the offices of their contractors.</u></b>
4.	Permits and Service Agreements Air discharge permit <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A Effluent discharge <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A Waste disposal, POTW <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A Other permits _____ <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A  Remarks: <b><u>There are no permits required for this Site or the adjacent property because gas levels have consistently been below required criteria. Until the Tri-County/Elgin Landfills LFG system was converted to "passive" venting in late 2013, both the Site and adjacent properties' systems were in compliance.</u></b>
5.	Gas Generation Records <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A  Remarks: <b><u>Documents were confirmed to be available at the office locations of the O&amp;M contractor (Blue Flame LLC, and SCS Engineers). Gas generation records are submitted to WMIL and RSI at least quarterly and summarized in inspection reports. These records are permanently stored and archived by WMI and RSI.</u></b>
6.	Settlement Monument Records <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A  Remarks: <b><u>There are no settlement monuments at the Tri-County/Elgin Landfills Site.</u></b>
7.	Groundwater Monitoring Records <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A  Remarks: <b><u>All of the above listed documents were confirmed to be available at the office locations of the O&amp;M contractors and WMIL and RSI. Groundwater sampling data are submitted to WMIL, U.S. EPA, and RSI on an annual basis and these records are permanently stored.</u></b>
8.	Leachate Extraction Records <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A  Remarks: <b><u>No leachate collection or treatment except for condensate run-off collected at the underground tank on the Woodland Hills property. The tank is emptied with vacuum truck approximately every 2 to 3 years.</u></b>

9. Discharge Compliance Records
- ☐ Air ☐ Readily available ☐ Up to date ☒ N/A
- ☐ Water (effluent) ☐ Readily available ☐ Up to date ☒ N/A

Remarks: There are no discharges from the Tri-County/Elgin Landfills Site.

10. Daily Access/Security Logs ☒ Readily available ☒ Up to date ☐ N/A
- Remarks: Site access is restricted by perimeter fencing, gates, signs, and occasional (quarterly) personnel at the WMIL and RSI properties. The only site access is through the gate at Illinois Route 25, with all other gate entrances permanently locked. Security records prior to 2012 (when WMIL ceased using the buildings on Site) are available upon request.

#### IV. O&M COSTS

1. O&M Organization
- ☐ State in-house ☐ Contractor for State
- ☒ PRP in-house ☒ Contractor for PRP
- ☐ Federal Facility in-house ☐ Contractor for Federal Facility
- ☐ Other \_\_\_\_\_

2. O&M Cost Records
- ☒ Readily available ☒ Up to date
- ☐ Funding mechanism/agreement in place ☐ Breakdown attached

☒ Original O&M cost estimate: Page 34 of the 1992 ROD shows a net present worth of \$12,624,000 and annual estimated cost of \$ 243,500 for the remedy selected.

Total annual cost by year for review period if available

From : 2019 To: 2023 ; Approx. \$50,000-120,000 annually, average

Date Date Total cost

☐ Breakdown attached

NOTE: Average site annual costs are approximately \$50,000 to \$120,000, not including WMIL and RSI payment of U.S. EPA Oversight Costs. Average cost is cited here because costs fluctuate depending on the degree of repair/ upgrade to remedy components implemented each year. This information is O&M and site sampling over the past 5 years. Specific expenditures for contractors cannot be published because of proprietary and confidential business information.

3. **Unanticipated or Unusually High O&M Costs During Review Period**
- Describe costs and reasons: None.

**V. ACCESS AND INSTITUTIONAL CONTROLS**   ☒ Applicable   ☐ N/A

**A. Fencing**

1. Fencing damaged ☐ Location shown on attached drawing ☒ Gates secured ☐ N/A  
 Remarks: **No damaged fencing was observed or reported. Site access is restricted by security measures, perimeter fencing, and locked gates. The only site access is through the business building area at Illinois Route 25. The site is locked/secured and WMIL personnel are present at the adjacent Woodland Hills facility. O&M contractors visit the site quarterly and inspect the site and site perimeter during each visit.**

**B. Other Access Restrictions**

1. Signs and other security measures ☐ Location shown on site map ☐ N/A  
 Remarks: **Signage is present generally every 150 to 200 feet on perimeter fencing and at all locked access gates. Security is provided by the current business tenant (Markaty Concrete), quarterly inspections, and WMIL personnel working adjacent to the site. A current, valid, EPA Region 5 Toll-Free telephone number is posted on each sign.**

**C. Institutional Controls (ICs)**

1. Implementation and enforcement  
 Site conditions imply ICs not properly implemented ☐ Yes ☒ No ☐ N/A  
 Site conditions imply ICs not being fully enforced ☐ Yes ☒ No ☐ N/A

Type of monitoring (e.g., self-reporting, drive by) **Site inspection, records review**

Frequency **Quarterly**

Responsible party/agency **WMIL and RSI and their contractors**

Contact **SEE POINTS OF CONTACT IN SECTION II OF THIS FORM**

Name	Title	Date	Phone no.
------	-------	------	-----------

Reporting is up-to-date ☒ Yes ☐ No ☐ N/A

Reports are verified by the lead agency ☒ Yes ☐ No ☐ N/A

Specific requirements in decision documents have been met ☒ Yes ☐ No ☐ N/A

Violations have been reported ☐ Yes ☒ No ☐ N/A

Other problems or suggestions: ☐ Report attached

**NOTES: On September 25, 2013, the Kane County Register of Deeds recorded the final IC required for the Site and this is the date on which ICs were successfully completed. The Site has been zoned as Special Use (SU) by Kane County, Illinois, which means that special application and public meetings must take place before any changes to the intended use of the site properties are attempted. An Institutional Control Implementation and Assurance Plan (ICIAP) was approved by EPA in February 2022, Long Term Stewardship (LTS) procedures are executed every year, and annual reports are provided to EPA.**

2. Adequacy ☒ ICs are adequate ☐ ICs are inadequate ☐ N/A

Remarks: ICs were implemented on 10/10/12 and 9/25/13 and are effective. There is no evidence of trespassing or unacceptable uses of the Site property, site access is restricted, and site security is in place and effective. An ICIAP was approved by EPA in February 2022 and LTS is regularly executed with annual reports provided to EPA.

#### D. General

1. Vandalism/trespassing ☐ Location shown on site map ☒ No vandalism evident  
Remarks: \_\_\_\_\_

2. Land use changes on site ☒ None ☐ N/A  
Remarks: Since 2007, WMIL no longer uses the northeast corner of the Tri-County portion for waste transfer. WMIL leases this area to a commercial/industrial tenant that uses the area for vehicles and equipment used in concrete installation. No other changes to land use are anticipated for the next 5-year period (to 2029).

3. Land use changes off site ☒ None ☐ N/A

Remarks: Property to the east and north is managed by the Illinois Department of Natural Resources (IDNR). Property to the west (Woodland RDF) is owned by WMIL. The adjacent property to the south is approximately 200 feet away and is used by an asphaltting company (Everlast) as a commercial/ industrial tenant. South of Stearns Road, there is a stone/ quarry business. The nearest residential property is located in the Village of South Elgin, approximately 2/3 of a mile west of the Site. There have been no changes in the land use of these areas since the 2019 FYR.

#### VI. GENERAL SITE CONDITIONS

- A. Roads ☒ Applicable ☐ N/A

1. Roads damaged ☐ Location shown on site map ☒ Roads adequate ☐ N/A  
Remarks: \_\_\_\_\_

#### B. Other Site Conditions

Remarks: "Other Site Conditions" Section of this Form is being used to summarize remedy components that are not shown in the Site Inspection Checklist Template.

2.	Electrical Enclosures and Panels; Landfill Gas and Ground Flare (properly rated functional) <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: <u>Equipment is not in use however there are no signs of vandalism or disrepair.</u>
3.	Tanks, Vaults, Storage Vessels; Leachate Holding Tank and Off-Loading Pad <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input checked="" type="checkbox"/> Proper containment <input type="checkbox"/> Needs Maintenance Remarks: <u>Condensate knock-out tanks and appurtenances are all in good condition.</u>
4.	Discharge Structure and Appurtenances <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: <u>All rip-rap used for stormwater control is in very good condition</u>
5.	On-Site Buildings: Vehicle Storage Area; Gas Flare Pad <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> Chemicals and equipment properly stored Remarks: _____

VII. LANDFILL COVERS <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A	
<b>A. Landfill Surface</b>	
1.	Settlement (Low spots) <input checked="" type="checkbox"/> Location shown on site map <input type="checkbox"/> Settlement not evident Areal extent_____Depth_____ Remarks: <u>A landfill surface low spot exists at the north end of the Tri-County portion of the Site. Precipitation ponds in this area and re-grading with rip-rap replacement is needed. A sketch of this area location is included in Section XI.E of this Inspection Form.</u>
2.	Cracks <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Cracking not evident Lengths_____Widths_____Depths_____ Remarks_____
3.	Erosion <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Erosion not evident Areal extent_____Depth_____ Remarks_____
4.	Holes <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Holes not evident Areal extent_____Depth_____ Remarks_____
5.	Vegetative Cover <input checked="" type="checkbox"/> Grass <input checked="" type="checkbox"/> Cover properly established <input checked="" type="checkbox"/> No signs of stress <input type="checkbox"/> Trees/Shrubs (indicate size and locations on a diagram) Remarks: <u>Saplings of potential deep rooting species are removed during mowing events. Mowing on both the Tri-County and Elgin sides generally occurs annually or as otherwise needed, conditional upon weather conditions. Vegetative cover on both Tri-County and Elgin sides is growing well. Annual Reports summarize all maintenance activity.</u>



6.	Alternative Cover (armored rock, concrete, etc.) Remarks _____	<input checked="" type="checkbox"/> N/A
7.	Bulges <input type="checkbox"/> Location shown on site map Areal extent _____ Height _____ Remarks _____	<input checked="" type="checkbox"/> Bulges not evident
8.	Wet Areas/Water Damage <input checked="" type="checkbox"/> Wet areas/water damage not evident Wet areas <input type="checkbox"/> Location shown on site map      Areal extent _____ Ponding <input type="checkbox"/> Location shown on site map      Areal extent _____ Seeps <input type="checkbox"/> Location shown on site map      Areal extent _____ Soft subgrade <input type="checkbox"/> Location shown on site map      Areal extent _____  Remarks: <b><u>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</u></b>	
9.	Slope Instability <input type="checkbox"/> Slides <input type="checkbox"/> Location shown on map Areal extent _____ Remarks _____	<input checked="" type="checkbox"/> No evidence of slope instability
<b>B. Benches</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A (Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)		
1.	Flows Bypass Bench <input type="checkbox"/> Location shown on site map Remarks _____	<input checked="" type="checkbox"/> N/A or okay
2.	Bench Breached <input type="checkbox"/> Location shown on site map Remarks _____	<input checked="" type="checkbox"/> N/A or okay
3.	Bench Overtopped <input type="checkbox"/> Location shown on site map Remarks _____	<input checked="" type="checkbox"/> N/A or okay
<b>C. Letdown Channels</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A (Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)		
1.	Settlement <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of settlement Areal extent _____ Depth _____ Remarks _____	<input checked="" type="checkbox"/> N/A
2.	Material Degradation <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of degradation Material type _____ Areal extent _____ Remarks _____	<input checked="" type="checkbox"/> N/A

3.	Erosion	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of erosion	<input checked="" type="checkbox"/> N/A
Areal extent _____ Depth _____ Remarks _____			
4.	Undercutting	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of undercutting	<input checked="" type="checkbox"/> N/A
Areal extent _____ Depth _____ Remarks _____			
5.	Obstructions	Type _____ <input type="checkbox"/> No obstructions <input type="checkbox"/> Location shown on site map    Areal extent _____ Size _____	<input checked="" type="checkbox"/> N/A
Remarks _____			
6.	<b>Excessive Vegetative Growth</b> Type _____		<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> No evidence of excessive growth <input type="checkbox"/> Vegetation in channels does not obstruct flow <input type="checkbox"/> Location shown on site map    Areal extent _____ Remarks: _____ _____			
<b>D. Cover Penetrations</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	Gas Vents	<input type="checkbox"/> Active <input checked="" type="checkbox"/> Passive <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A	
Remarks _____			
2.	Gas Monitoring Probes	<input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A	
Remarks _____			
3.	Monitoring Wells (within surface area of landfill) <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input checked="" type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks _____			
4.	Leachate Extraction Wells <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input checked="" type="checkbox"/> N/A		
Remarks _____			
5.	Settlement Monuments <input type="checkbox"/> Located <input type="checkbox"/> Routinely surveyed <input checked="" type="checkbox"/> N/A		
Remarks _____			

<b>E. Gas Collection and Treatment</b> <input type="checkbox"/> Applicable (2009 to 2013 ONLY) <input checked="" type="checkbox"/> N/A (SINCE 2013)			
1.	Gas Treatment Facilities <b>(2009 to 2013)</b> <input checked="" type="checkbox"/> Flaring <input type="checkbox"/> Thermal destruction <input type="checkbox"/> Collection for reuse <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: <u>Operation of Gas Treatment facilities was discontinued in 2013 after the conversion to passive venting but remain in place and can be re-started if needed. During the operational time period, the flare and associated equipment were in good condition and good operational order.</u>		
2.	Gas Collection Wells, Manifolds and Piping <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____		
3.	Gas Monitoring Facilities (e.g., gas monitoring of adjacent homes or buildings) - <b>ON SITE</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks _____		
<b>F. Cover Drainage Layer</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	Outlet Pipes Inspected <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: <u>Good Condition</u>		
2.	Outlet Rock Inspected <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: <u>Good Condition</u>		
<b>G. Detention/Sedimentation Ponds</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	Siltation	Areal extent_____ Depth_____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Siltation not evident Remarks _____
2.	Erosion	Areal extent_____ Depth_____	<input checked="" type="checkbox"/> Erosion not evident Remarks _____
3.	Outlet Works	<input checked="" type="checkbox"/> Functioning	<input type="checkbox"/> N/A Remarks _____
4.	Dam	<input type="checkbox"/> Functioning	<input checked="" type="checkbox"/> N/A Remarks _____

<b>H. Retaining Walls</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	Deformations <input type="checkbox"/> Location shown on site map <input type="checkbox"/> Deformation not evident Horizontal displacement_____ Vertical displacement_____ Rotational displacement_____ Remarks_____	
2.	Degradation <input type="checkbox"/> Location shown on site map <input type="checkbox"/> Degradation not evident Remarks_____	
<b>I. Perimeter Ditches/Off-Site Discharge</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A		
1.	Siltation <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Siltation not evident Areal extent_____ Depth_____ Remarks_____	
2.	Vegetative Growth <input type="checkbox"/> Location shown on site map <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Vegetation does not impede flow Areal extent_____ Type_____  Remarks: <b><u>Vegetation in surface run-off channels at the site does not obstruct flow. Run-off channels are cleared of vegetation on a regular basis. During and prior to this Five Year Review Site Inspection, rain was present and visual observations confirmed that flow was not impeded.</u></b>	
3.	Erosion <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Erosion not evident Areal extent_____ Depth_____ Remarks_____	
4.	Discharge Structure <input type="checkbox"/> Functioning <input checked="" type="checkbox"/> N/A Remarks_____	

<b>VIII. VERTICAL BARRIER WALLS</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	<b>Settlement</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> Settlement not evident Areal extent_____ Depth_____ Remarks_____	

2.	<b>Performance Monitoring</b>	Type of monitoring _____
	<input type="checkbox"/> Performance not monitored	
	Frequency _____	
	Evidence of breaching _____	
	Head differential _____	
	Remarks _____	

<b>IX. GROUNDWATER / SURFACE WATER REMEDIES</b>	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
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<b>A. Groundwater Extraction Wells, Pumps, and Pipelines</b>	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
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1.	Pumps, Wellhead Plumbing, and Electrical
	<input type="checkbox"/> Good condition <input type="checkbox"/> All required wells properly operating <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A
	Remarks: _____

2.	Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances
	<input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A
	Remarks: _____

3.	Spare Parts and Equipment
	<input type="checkbox"/> Readily available <input type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided
	Remarks: _____

<b>B. Surface Water Collection Structures, Pumps, and Pipelines</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
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1.	Collection Structures, Pumps, and Electrical
	<input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A
	Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>

2.	Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances
	<input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A
	Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>

3.	Spare Parts and Equipment
	<input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided
	Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>

<b>C. Treatment System</b>	<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
<b>1. Treatment Train</b> (Check components that apply) <input type="checkbox"/> Metals removal <input type="checkbox"/> Oil/water separation <input type="checkbox"/> Bioremediation <input type="checkbox"/> Air stripping <input type="checkbox"/> Carbon adsorbers <input type="checkbox"/> Filters _____ <input type="checkbox"/> Additive (e.g., chelation agent, flocculent) _____ <input type="checkbox"/> Others _____ <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> Sampling ports properly marked and functional <input type="checkbox"/> Sampling/maintenance log displayed and up to date <input type="checkbox"/> Equipment properly identified <input type="checkbox"/> Quantity of groundwater treated annually _____ <input type="checkbox"/> Quantity of surface water treated annually _____  Remarks _____		
<b>2. Electrical Enclosures and Panels</b> (properly rated and functional) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____		
<b>3. Tanks, Vaults, Storage Vessels</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Proper secondary containment <input type="checkbox"/> Needs Maintenance Remarks _____		
<b>4. Discharge Structure and Appurtenances</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____		
<b>5. Treatment Building(s)</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition (esp. roof and doorways) <input type="checkbox"/> Needs repair <input type="checkbox"/> Chemicals and equipment properly stored Remarks _____		
<b>6. Monitoring Wells</b> (pump and treatment remedy) <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> All required wells located <input type="checkbox"/> Needs Maintenance <input checked="" type="checkbox"/> N/A Remarks _____		
<b>D. Monitoring Data</b>		
<b>1. Monitoring Data</b> <input checked="" type="checkbox"/> Is routinely submitted on time <input checked="" type="checkbox"/> Is of acceptable quality		

2. Monitoring data suggests:

- ☐ Groundwater plume effectively contained  
☒ Contaminant concentrations declining **OR STABLE**

#### E. Monitored Natural Attenuation

1. Monitoring Wells (natural attenuation remedy)

- ☒ Properly secured/locked   ☒ Functioning   ☒ Routinely sampled   ☒ Good condition  
☒ All required wells located   ☐ Needs Maintenance   ☐ N/A

Remarks \_\_\_\_\_

#### X. OTHER REMEDIES

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction. **NONE.**

#### XI. OVERALL OBSERVATIONS

**A. Implementation of the Remedy:** Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

**The remedy at the Tri-County/Elgin Landfills site is being implemented to achieve: containment of contaminated materials under a landfill cover; natural attenuation of low-level contaminants from groundwater to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries; collection and venting of landfill gases; comprehensive monitoring to ensure the effectiveness of the remedy; and, institutional controls to limit land and ground water use.**

**The remedy at the Tri-County/Elgin Landfills Site currently protects human health and the environment in the short term. There are no current exposures to human health and the environment. The remedy currently protects human health and the environment in the short term because: the landfill caps and gas collection and venting systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Site property is consistent with the objectives of the landfill caps and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume.**

**The implemented remedy does not yet achieve ARARs because long-term achievement of MCLs or Illinois Groundwater Quality Standards has not yet been accomplished throughout the Site or plume. Groundwater monitoring data was reviewed and the lateral extent of the plume continues to remain stable. There is no evidence of**



exposure; there is no cracking, sliding, settlement of cap or other indicators of cap breaches; landfill gas is successfully and adequately being vented. ICs that prevent disturbance of the cap, landfill gas collection systems, and ground flare are in place.

The remedy selected by the 1992 ROD as modified by the ESDs for this site has been implemented and remains functional, operational, and effective. As required by the 1999 Unilateral Administrative Orders, the potentially responsible parties are successfully implementing all other components of this remedy. Site access and use is restricted by topography and locked gates, and deed restrictions prevent unacceptable use of the Site property.

**B. Adequacy of O&M:** Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

The PRPs oversee environmental contractors for remedy repair, upkeep, and O&M. There are quarterly and annual activities that occur at the site. The landfill gas collection and venting system must be operated and maintained because it removes very low levels of VOCs from the waste fill that could otherwise be available for migration from the landfill, in addition to protecting adjacent properties and buildings from dangerous explosive gases. The gas and groundwater monitoring wells must be maintained because they are essential to ensure that landfill gas and contamination does not migrate from the landfill. The landfill cap must be maintained to prevent precipitation from infiltrating into the waste fill material to create leachate. Groundwater monitoring must be continued to document the reduction of contaminant concentrations and provide a warning of increased concentrations in, or a shifting of, the contaminant plume.

**C. Early Indicators of Potential Remedy Problems:** Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.

**None.**

**D. Opportunities for Optimization.** Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

**Opportunities for Optimization.** Because of the containment nature of landfill cap and landfill gas collection technologies, there are very limited opportunities for system optimization. Opportunities for optimization were assessed by U.S. EPA as part of the 2009 and 2014 five-year reviews. Currently, the only potential optimization activities for this remedy remains the possible use of alternative energy technology (such as solar energy), or reduction of site sampling frequency or locations. Although alternative energy technology is being considered at other landfill sites in Region 5, the energy needs of the Tri-County/Elgin Landfills site remedy are not excessive, limiting the cost effectiveness of such technology. Although the Site continues to generate methane at a very low rate, gas quantities are not substantial enough for implementation of a gas-to-energy system. It may be possible to reduce the frequency of sampling and analysis events because data over the past five year period show little change in analytical results.

**PONDING AREA FOR RE-GRADING AND RIP RAP**

**ELGIN LANDFILL**

**TRI-COUNTY LANDFILL**

Monitoring wells and points labeled include: MW9S, MW9D, MW9I, MW36S, MW36D, MW36I, MW37S, MW22I, G141, G111, MW23I, MW24S, PZ32, G112, G142, MW41S, MW21R, MW21R, MW25R, MW40DR, MW12SR, MW12IR, MW5SR, MW5IR, MW13IR, MW06S, MW06I, MW10I, MW10S, MW38I, MW38D, MW38S, PZ29, MW12R, MW112, MW11S, MW11I, MW39I, MW39S, MW10I, MW10S, MW13IR, MW06S, MW06I, MW12R, MW112, MW11S, MW11I, MW39I, MW39S.

# Qualifications



## MICHAEL DELANEY

### Environmental Analyst

Michael is an Environmental Analyst working with the Due Diligence Program of LaBella's Environmental Division. Michael is responsible for preparing Phase I Environmental Site Assessments (ESAs) and Transaction Screen ESAs technical reports, and completing other environmental due diligence reports..

#### EDUCATION

SUNY College at Brockport,  
Geology: BS

Michael has conducted numerous Environmental Site Assessments. Site assessments include evaluation of environmental liability associated with properties such as commercial properties, undeveloped land, natural gas regulator stations, and residential homes. Michael provides efficient analysis and has completed environmental assessments for the following groups:

#### Medical Institutions

- Southern Tier AIDS Program (STAP)

#### Financial Institutions

- Canandaigua National Bank
- Community Bank
- Counterpoint Mortgage
- Northwest Bank
- Steuben Trust Company

#### Development and Construction Companies

- Buckingham Properties
- Flaum Management Company, Inc.
- Prime Development, Inc.

#### Engineering and Architectural Firms

- MRB Group

#### Electric and Gas Utility Companies

- NYSEG



## THADDEUS KRUEGER

Geologist

Thad is a Project Manager and Geologist with LaBella's environmental group and has over six years of industry experience. He has managed and assisted clients with a wide-range of environmental needs, including Phase I and II Environmental Site Assessments, site remediation and Brownfields assistance, underground storage tank removal, asbestos and lead-based paint surveys, and long-term radon investigations.

### PG

Professional Geologist  
TN

### EDUCATION

Fort Lewis College: B.S. in  
Geology

### CERTIFICATIONS

Tennessee Asbestos Inspector  
#A-I-109514-79134

OSHA 40-Hour HAZWOPER

#### **Meridian Waste Solutions: Poplar View Landfill and Riverside C&D Landfill— Knoxville, TN**

Thad completed Phase I ESAs including site reconnaissance at two Class III Construction & Demolition Landfills in Knoxville Tennessee in accordance with ASTM requirements.

#### **National Development: Former Hardee's—Morristown, TN**

Thad acted as Project Manager and completed a both a Limited Asbestos Assessment and a Phase I ESA for the single-story restaurant building in Morristown, Tennessee in accordance with USEPA and ASTM requirements.

#### **LIV Development: West Blount Avenue Property—Knoxville, TN**

Thad acted as Project Manager and completed a Phase II ESA for a multi-family residential housing project in Knoxville, TN. The project site is located across from the University of Tennessee on the eastern bank of the Tennessee River. The Phase II ESA consisted of private utility locating, soil sampling, and soil vapor sampling in accordance with TDEC and ASTM guidelines.

#### **Montecito Medical Real Estate: Proton Therapy Center— Knoxville, TN**

Thad completed a Phase I ESA including site reconnaissance for a 77,000 square foot medical treatment facility. The facility contained specialized high voltage and radiological equipment, including a cyclotron particle accelerator for targeted proton treatment therapies.

#### **American Battlefield Trust: Camp Nelson National Monument—Nicholasville, KY\***

Thad acted as the Project Manager responsible for the completion of an environmental site assessment as well as a hazardous building materials survey, including asbestos and lead-based paint, prior to the property being transferred from the American Battlefield Trust to the National Park Service. The project consisted of a 486-acre tract of land historically used as a Civil War encampment and included several buildings dating from the 1860's to the 2000's. Thad worked closely with the client and site personnel to ensure the project was completed according to National Park Service guidelines.

**Automotive Service Garage:  
Phase I and II ESAs—Clarksville,  
TN\***

Thad served as Project Manager and conducted Phase I and II Environmental Site Assessments of an auto service garage in Clarksville, TN prior to its re-development as a commercial office property. The Phase II Environmental Site Assessment consisted of soil and groundwater sampling. On-site personnel indicated that an underground fuel storage tank existed on the subject property at an unknown location. He worked with the client and sub-contractors to conduct a ground penetrating radar survey to locate the underground fuel tank and remove it from the ground. Thad conducted soil testing during the removal of the fuel tank and assisted the client with submitting the required tank closure paperwork to the Tennessee Department of Environment and Conservation.

**Houston County Mayor's Office:  
Stewart-Houston Industrial  
Park—Cumberland City, TN\***

Thad acted as Project Manager and conducted a Phase I Environmental Site Assessment for the 173-acre industrial and business park located in both Stewart and Houston Counties. The project site contained several industrial buildings as well as a concrete batch plant and the City of Erin wastewater treatment facility.

**Kiewit Water Facilities: Franklin  
Water Reclamation Facility—  
Franklin, TN\***

Thad acted as the Project Manager and conducted a pre-demolition hazardous materials survey of the waste reclamation facility in Franklin, TN. He worked

closely with the project team over the course of four years and coordinated asbestos and lead-based paint surveys prior to the demolition of several structures related to the treatment of wastewater. Thad also conducted E. Coli sampling of crushed concrete materials prior to their handling and re-use on site as structural fill.

**McDonald's USA, LLC—Various  
Locations in Kentucky and  
Tennessee\***

Thad has conducted asbestos surveys at over 15 McDonald's locations in Tennessee and Kentucky prior to their renovations. The projects included the sampling of interior areas as well as roofing materials. He has served as Project Manager for several additional McDonald's projects, including geotechnical investigations and construction materials testing.





## DAVID CRANDALL

### Phase I Program Manager

#### PG

Professional Geologist, NY

#### EDUCATION

State University of New York  
College of Environmental  
Science and Forestry: BS.  
Environmental Studies,  
Concentration in Policy and  
Management, graduated Cum  
Laude

#### CERTIFICATIONS/ REGISTRATIONS

Environmental Professional, as  
per USEPA AAI Rule

40 Hour HAZWOPER/  
Supervisor; 8-hour refresher

Dave is LaBella's Phase I Program Manager and is responsible for oversight, training, and professional development of Analysts and Senior Reviewer staff, overall quality assurance/quality control of Phase I Environment Site Assessment, Transactions Screen, and Records Search with Risk Assessment (RSRA) due diligence reports, and assisting project managers with client interactions and business development activities. Dave has been involved in over 10,000 due diligence projects ranging from undeveloped land and commercial properties to automotive repair facilities, gasoline stations, and large-scale industrial facilities. Dave has performed environmental due diligence services for attorneys, private entities/developers, municipalities, and various commercial lenders. In addition, Dave is experienced in environmental investigation and remediation techniques and offers his experience in these areas to assist clients in determining the best way to address potential environmental risks encountered through due diligence activities.

#### Various Clients: Phase I ESAs for Solar Development—New York, Pennsylvania, Virginia, North Carolina

Completed numerous Phase I ESAs for renewable energy companies in anticipation of planned development with solar arrays. These projects have been completed on large-scale industrial facilities, closed landfills, and large agricultural and wooded properties ranging in size from 10 to several thousand acres in size. These projects have included the completion of site visits encompassing multiple field staff/days, the completion of multiple interviews, and the review of extensive historical and regulatory records based on the size of the properties.

#### Commercial Banking Client: Canisius College Phase I ESA— Buffalo NY

Completed a portfolio of Phase I ESAs for the college campus

located in the City of Buffalo. These reports included extensive site visits encompassing multiple campus buildings and spanning several days along with the completion of historical and regulatory research and completion of interviews to assess the overall environmental risk of large portions of the campus. Individual reports were grouped based on the nature of the structures (i.e. student housing, academic buildings, recreational facilities) and included several structures/areas of the greater college campus.

#### Mohawk Valley EDGE: 107 River Street Phase I ESA— Oriskany, NY

Completed a Phase I ESA of this property under a USEPA Brownfield Assessment Grant. The LaBella team is providing services needed to manage the USEPA grant and perform all site assessment and characterization,

planning, marketing, and community outreach that is required under the agreement. Under the agreement, LaBella provided Phase I ESAs, Phase II ESAs, and Regulated Building Material (RBM) services at former industrial properties.

The Phase I ESA was completed on an approximately 500,000 square foot industrial building used industrially since the early 1800s including a woolen mill and felt mill that included wash and dye operations. As part of this report, LaBella reviewed documentation associated with previous underground storage tank removals along with records associated with adjacent properties to assess the potential for contaminant migration onto the Subject Property.

**Niagara County Department of Economic Development: Phase I ESAs—Niagara County, NY**

Completed numerous Phase I ESAs under a USEPA Brownfield Assessment Grant. LaBella is conducting Phase I ESAs, Phase II ESAs, and RBM services at various commercial and industrial properties as part of this grant.

The Phase I ESAs have included the assessment of historical gasoline stations, dry cleaners, landfills, train stations, and other environmentally sensitive industries, and have included initial radiological surveys to screen the surfaces of the Sites for elevated levels of gamma radiation to identify the potential presence of Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM). LaBella's Phase I ESAs included analysis of potential environmental risk along with recommendations for further investigation; these reports have

been approved by the USEPA.

**Home Leasing LLC, Phase I ESA: 201 Fall Street, Seneca Falls, NY**

Dave oversaw the completion of and completed the technical review of this Phase I ESA performed on a property that historically included manufacturing, printing, gasoline station, automotive repair, and dry cleaning operations. As part of this study, documentation associated with the removal of former on-site underground storage tanks and a subsurface investigation to assess on-site impact due to former on-site tanks, in-ground hydraulic lifts, and nearby properties of environmental concern was reviewed in order to determine the overall remaining environmental risk associated with the site.

**Home Leasing LLC, Phase I ESA: West Main Street and West Everett, Falconer, NY**

Dave oversaw the completion of and completed the technical review of this Phase I ESA performed on a property historically including printing and plating operations. Previous subsurface investigation reports, along with a recorded soil and groundwater management plan were reviewed to ensure that investigation activities had sufficiently assessed the potential for impact associated with the former operations and to ensure that the management plant would sufficiently guide the proper handling of any materials encountered during site redevelopment activities.

**Conifer, Phase I ESA: 4301 Watson Boulevard, Johnson City, NY**

Mr. Crandall oversaw the completion of and completed

the technical review of this Phase I ESA performed on a portion of a golf course that was slated for renovation for residential use. This study included the completion of a site visit with local law enforcement due to potential safety concerns associated with the abandoned nature of the property and unsafe building conditions.

**Environmental Due Diligence**

Mr. Crandall has extensive experience in Environmental Due Diligence, having been involved in over 10,000 due diligence projects including Phase I Environmental Site Assessments, Transaction Screens, Records Search with Risk Assessments (RSRAs) and other desktop reports. Dave has also been involved with the peer review of reports completed by other consultants to ensure compliance with applicable standards and to assist commercial banks with assessing overall environmental risk.

In David's previous roles, he was responsible for the oversight of a group of approximately 15 technical writers and senior reviews/Environmental Professionals who, along with a team of field staff/inspectors completed over 7,000 due diligence projects per year for private, attorney, municipal, and commercial banking clients including several thousand Phase I ESAs and Transaction Screens per year. David was responsible for overall QA/QC of reports and ensuring that reports met applicable standards/criteria. In addition, he would assist with client discussions of concerns and help to develop scopes of work for Phase II Environmental

## DAVID CRANDALL

Site Assessments or assist in determining alternatives to addressing potential environmental risk.

Prior to that time, Mr. Crandall worked as an Environmental Scientist for an international consulting firm that worked primarily on remedial investigations and feasibility studies for State and Federal clients. In this role, he served as Site Manager and was responsible for work plan development and investigation scoping, soliciting bids from subcontractors, oversight of field investigation activities/staff, and completions of summary reports.

## Previous Reports

# Phase I Environmental Site Assessment

**Location:**

Former Tri-County Landfill  
Unaddressed Parcel on Route 25  
Parcel ID: 09-01-200-017  
St. Charles, Illinois 60120

**Prepared for:**

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Greenwood Sustainable Infrastructure, LLC  
134 East 40th Street  
New York, New York 10016

LaBella Project No. 2233821  
Award/Client Project No. N/A

Report Date: February 7, 2024

Date of First Research: September 21, 2023



# Table of Contents

<b>Executive Summary .....</b>	<b>1</b>
<b>1.0 Introduction .....</b>	<b>3</b>
1.1 Purpose .....	3
1.2 Scope of Work .....	5
1.3 Data Gaps .....	7
1.4 Limitations and Exceptions of Assessment .....	8
1.5 Reliance .....	8
<b>2.0 Subject Property and Vicinity Description .....</b>	<b>9</b>
2.1 Building Summary .....	9
2.2 Physical and Hydrogeological Setting .....	9
<b>3.0 User-Provided Information .....</b>	<b>11</b>
3.1 Reason For Performing Phase I ESA .....	12
<b>4.0 Site Reconnaissance .....</b>	<b>13</b>
4.1 Site Reconnaissance Summary of Findings .....	16
<b>5.0 Subject Property History and Use .....</b>	<b>17</b>
5.1 Sanborn Fire Insurance Maps .....	17
5.2 City Directories .....	17
5.3 Aerial Photographs .....	17
5.4 Topographic Maps .....	18
5.5 Municipal Records .....	18
5.6 Recorded Land Title Records .....	19
5.7 Additional Sources .....	19
5.8 Review of Previous Reports .....	19
5.9 Historical Summary of Findings .....	19
<b>6.0 Regulatory Information .....</b>	<b>21</b>
6.1 Regulatory Report Summary .....	21
6.2 Enforcement Action/Permitted Activities/Institutional Controls .....	27
6.3 Regulatory Agency File and Records Review .....	27
6.4 Regulatory Information Summary .....	27
<b>7.0 Interviews .....</b>	<b>28</b>
7.1 Owner/Subject Property Representative .....	28
7.2 Current Occupants .....	28
7.3 Former Owners/Operators/Occupants .....	28
7.4 Neighbors .....	28
7.5 Local Government Official .....	29
7.6 Local Fire Department .....	29
7.7 State Regulator .....	29

7.8	State and/or County Health Department .....	29
7.9	Summary of Interviews .....	29
<b>8.0</b>	<b>Additional Services/ASTM Non-Scope Considerations .....</b>	<b>30</b>
8.1	Emerging Contaminants .....	30
<b>9.0</b>	<b>Findings and Opinions .....</b>	<b>31</b>
9.1	Additional Investigation .....	31
<b>10.0</b>	<b>Conclusions .....</b>	<b>32</b>
<b>11.0</b>	<b>Environmental Professional Statement .....</b>	<b>33</b>
<b>12.0</b>	<b>References .....</b>	<b>34</b>
<b>13.0</b>	<b>List of Abbreviations/Acronyms .....</b>	<b>35</b>



## **Table of Appendices**

Site Maps  
Hydrogeologic Information  
User Provided Information  
Site Reconnaissance Worksheet  
Site Photographs  
Historical Information  
Owner/Operator-Provided Information  
Municipal Information  
Regulatory Information  
Qualifications  
Previous Reports



## EXECUTIVE SUMMARY

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LaBella Associates, D.P.C. (LaBella) has been contracted by Greenwood Sustainable Infrastructure, LLC to perform a Phase I Environmental Site Assessment (ESA) report for the Former Tri-County Landfill property, located at an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Kane County, Illinois (hereinafter referred to as the “Subject Property”).

This assessment was prepared according to the ASTM E1527-21 as a portion of the User's requirements in the All Appropriate Inquiries process and to satisfy the due diligence requirements set for Greenwood Sustainable Infrastructure, LLC.

The Subject Property is further described as follows:

<b>Subject Property Name</b>	Former Tri-County Landfill
<b>Subject Property Address</b>	Unaddressed parcel on Route 25, St. Charles, Kane County, Illinois
<b>Subject Property Acreage (approximate)</b>	42.17
<b>Parcel ID(s)</b>	09-01-200-017
<b>Current Owner</b>	Tri County Landfill Co
<b>Current Subject Property Use/ Development</b>	The Subject Property consists of a capped landfill. A pump house is located on the southwestern corner of the Subject Property.
<b>Public Thoroughfares and Access/Egress</b>	Route 25 to the east
<b>Exterior Areas</b>	Vegetated land
<b>Surrounding Area</b>	Rural
<b>Subject Property Utilities</b>	
<b>Electric Source</b>	Public
<b>Natural Gas Source (if provided)</b>	N/A
<b>Potable Water Source</b>	N/A
<b>Sanitary Wastewater Disposal</b>	N/A
<b>Non-Sanitary Wastewater Disposal</b>	N/A; no non-sanitary wastewater is generated other than leachate associated with the capped landfill.

Based on LaBella's review of historical records, the history of the Subject Property is summarized as follows:



Time Period	Apparent Use/Development
At least 1932	No structures were depicted on the Subject Property
Between at least 1938 and 1946	Consisted of agricultural land with no apparent structures
Between at least 1961 and 1976	Utilized as an apparent quarry (1961) with later use as a municipal landfill with no apparent structures
Between at least 1981 and the present day	Capped landfill with no apparent structures other than the existing pump house

Based on the results of this assessment, no RECs have been identified in connection with the Subject Property.

Based on the results of this assessment, the following CREC has been identified in connection with the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Monitoring wells and an out of use gas vent pumping system were observed on-site at the time of the site reconnaissance. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place. The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfill operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.

Based on the results of this assessment, no HRECs, de minimis conditions, or significant data gaps have been identified in connection with the Subject Property.

**Based on the findings of this assessment, no additional investigation is warranted at this time. Long-term management of the Subject Property and any future site work/redevelopment should be conducted in accordance with the procedures/contingencies outlined within the ROD.**



## 1.0 INTRODUCTION

---

LaBella has been contracted by Greenwood Sustainable Infrastructure, LLC to perform a Phase I Environmental Site Assessment report for the Former Tri-County Landfill property, located at an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Kane County, Illinois.

The findings of this report are based upon an assessment of the condition of the Subject Property within the Scope of Work and objective described below as of the date of the site observations and documentation review. This assessment was prepared according to the ASTM Standard Practices E1527-21 as a portion of the User's requirements in the All Appropriate Inquiries process and to satisfy the due diligence requirements set for Greenwood Sustainable Infrastructure, LLC. The information contained in this report is considered privileged and confidential and is intended solely for the use of the parties identified in [Section 1.5](#).

### 1.1 Purpose

This investigation was requested to identify, to the extent feasible, RECs in connection with the Subject Property, including the identification of conditions indicative of releases and threatened releases of hazardous substances and petroleum products on, or in the vicinity of the Subject Property. This Phase I ESA report was conducted in conformance with the Scope and Limitations of ASTM Standard Practice E1527-21.

The performance of ASTM Standard Practices E1527-21 is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs and the potential liability for contamination to be present in connection with the Subject Property recognizing reasonable limits of time and cost. It is also intended to satisfy one of the requirements to satisfy "all appropriate inquiry" as defined by 42 U.S.C §9601(35)(B), for the purposes of qualifying for innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA Liability. The User should understand that this practice does not address whether requirements in addition to all appropriate inquiry have been met in order to qualify for landowner liability protections; including (1) the continuing obligation not to impede the integrity and effectiveness of activity and use limitations, (2) the duty to take reasonable steps to prevent releases, or (3) the duty to comply with legally required release reporting obligations.

The objective of this Phase I ESA was to determine the following, using our professional judgment, by means of the Scope of Work hereafter described:

1. A general description of the Subject Property.
2. The current and historical usage of the Subject Property and adjoining properties.
3. Whether RECs exist or have the potential to exist in, on, or at the Subject Property.
4. Whether Subject Property conditions suggest further evaluation based on the presence or probable presence of RECs.



5. Provide information which may assist the Client in evaluating the fair market value of the Subject Property.

A REC is defined by ASTM as (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition.

A Controlled REC is defined by ASTM as a recognized environmental condition affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

A Historical REC is defined by ASTM as a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

A de minimis condition is defined by ASTM as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.

The term “data gap” means a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). A significant data gap is one that affects the ability of the environmental professional to identify a REC.

The term “data failure” means the failure to achieve the historical research objective as specified in ASTM E-1527-21 even after reviewing the standard historical resources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Migration refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.



An Environmental Professional is a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors defined in the ASTM Standard Practice E1527-21 and §312.20 of 40 CFR §312. Specifically, an Environmental Professional is defined as a person having one of the following qualifications: (1) A state- or tribal-issued certification or license and three years of relevant, full-time work experience; (2) A bachelor's degree or higher in science or engineering and five years of relevant, full-time work experience; or, (3) 10 years of relevant, full-time work experience.

The date of first research illustrates the earliest date that information was collected for the purposes of this assessment. Under ASTM E1527-21, the report is presumed to be viable when conducted within 180 days prior to the date of acquisition of the Subject Property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). The following components must be conducted or updated within 180 days prior to the date of acquisition or transaction:

1. Interviews with owners, operators, and occupants;
2. Searches for recorded environmental cleanup liens (a user responsibility);
3. Reviews of federal, tribal, state, and local government records;
4. Visual inspections of the Subject Property and of adjoining properties; and
5. The declaration by the Environmental Professional responsible for the assessment or update.

The date of first research for the above components was September 21, 2023.

## **1.2 Scope of Work**

This Phase I Environmental Site Assessment has been prepared in accordance with ASTM E1527-21, which has been devised to address the site assessment portion for 40 CFR 312 - Innocent Landowners, Standards for Conducting All Appropriate Inquiries. The Scope of Work performed in this assessment is intended to identify RECs, CRECs, HRECs, de minimis conditions, and Significant Data Gaps through the following tasks:

1. Review of information provided by the User related to environmental cleanup liens; specialized knowledge or experience regarding the Subject Property; the relationship of the purchase price to the fair market value of the property, if the property were not contaminated; and, commonly known or reasonably available information about the Subject Property.
2. Review of local, state, and federal environmental records.
3. Review of historical sources of information to identify the use of the Subject Property dating back to 1940 or first Subject Property development, whichever is earlier.
4. Review of physical and geological settings.
5. Interviews with current and past owners, operators, and occupants to evaluate the potential for environmental contamination to be present at the Subject Property.



6. Inspection of the Subject Property and adjacent properties, to visually identify areas of concern. Adjacent properties were inspected from public roadways and the Subject Property boundaries to the extent possible.
7. The preparation of this report documenting all appropriate inquiries.

The work for this report has been performed in accordance with generally accepted environmental engineering practices for this region. The findings of this report are based upon the opinion and judgment of an Environmental Professional and are dependent upon LaBella's knowledge, the information supplied during the interviews, and data and information solicited from governmental agencies. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

In addition, LaBella cannot provide guarantees, certifications, or warranties that the Subject Property is or is not free of contamination without a subsurface investigation involving drilling, vapor analysis, laboratory soil analysis, groundwater monitoring well installation, and laboratory groundwater analysis. Even with such a program, the data and samples from any given soil boring or monitoring well will indicate conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Subject Property as a whole.

#### *1.2.1 Significant Assumptions*

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Regional groundwater flow follows major topographic gradients.
- Representations made during interviews are accurate.





### 1.3 Data Gaps

LaBella encountered the following data gaps through the completion of this Phase I Environmental Site Assessment:

Nature of Data Gap	Details/Description	Data Sources Consulted
Limitations to site reconnaissance <sup>1</sup>	Observations were limited due to vegetation.	N/A; refer to <a href="#">Section 4.0</a> for site reconnaissance methodology.
Historical Use	Historical uses were not obtained for each five-year period.	Aerial photographs, city directories, topographic maps, title records, and previous studies
Regulatory Records Review	LaBella has yet to receive complete responses from all regulatory information requests.	Outstanding FOIL responses from the Kane County Clerk and KCHD
Interviews	No prior owners, occupants, or operators were identified in the provided records; as such, they could not be interviewed.	Current owners, municipal, and/or User-provided records to identify historical ownership information. Focused online search for contact information.
Any significant data gaps (a data gap that affects the ability of the environmental professional to identify a REC) are discussed within the Findings and Opinions section of this report. <sup>1</sup> See Limitations and Exceptions of Assessment below for additional limitations of the site visit.		



#### **1.4 Limitations and Exceptions of Assessment**

ASTM E1527-21 expressly recognized the fact that no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. LaBella's work is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property, and its Scope of Work reflects recognition of the reasonable limits of time and cost.

The work for this report has been performed in accordance with the agreement signed with Greenwood Sustainable Infrastructure, LLC. The conclusions of this report are based upon LaBella's opinion and judgment and are necessarily dependent on information supplied by the individuals, entities, and agencies contacted through the course of this assessment. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports.

The actual presence of asbestos, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, endangered species, indoor air quality, mold, substances not defined as hazardous substances, cultural and historical resources, archeological resources, ecological resources, industrial hygiene, health and safety, biological agents, and/or high voltage power lines, are not included in the Scope of Work of this assessment unless agreed to by Greenwood Sustainable Infrastructure, LLC and LaBella; in such a case, these additional services/ASTM Non-Scope Considerations are discussed in Section 8.0 below. Should Greenwood Sustainable Infrastructure, LLC desire any of these additional services, such can be completed by LaBella under separate cover; however, they are not included in the Scope of Work of the Phase I ESA.

The site reconnaissance was limited to visual observations of accessible areas only. No attempt was made to observe conditions in spaces not generally accessible, including but not limited to:

1. Entering crawlspaces and attics
2. Walking on roofs
3. Viewing the interior of pipe chases or plenum
4. Viewing spaces concealed by walls, floors, ceilings, interior finishes, etc.
5. Viewing areas inaccessible due to topographic features or locked doors, obscured by snow cover, vegetative growth, vehicles, etc.

The site reconnaissance was also limited to visual observations within the perimeter of the Subject Property and other accessible areas only. At the time of the site reconnaissance, a representative portion of the Subject Property and common areas were visually inspected.

#### **1.5 Reliance**

Greenwood Sustainable Infrastructure, LLC may rely upon the findings of this report and should be aware of the agreed upon Scope of Work and the limitations associated with this Scope of Work.



## 2.0 SUBJECT PROPERTY AND VICINITY DESCRIPTION

The Subject Property is summarized in the tables below. Property boundaries for the purpose of this assessment were determined based on provided survey mapping and/or tax maps obtained through municipal sources. Subject Property Location and Tax Parcel maps for the Subject Property are located in the [Site Maps](#) Appendix.

<b>Subject Property Name</b>	Former Tri-County Landfill
<b>Subject Property Address</b>	Unaddressed parcel on Route 25, St. Charles, Kane County, Illinois
<b>Subject Property Acreage (approximate)</b>	42.17
<b>Parcel ID(s)</b>	09-01-200-017
<b>Current Owner</b>	Tri County Landfill Co
<b>Current Subject Property Use/ Development</b>	The Subject Property consists of a capped landfill. A pump house is located on the southwestern corner of the Subject Property.
<b>Public Thoroughfares and Access/Egress</b>	Route 25 to the east
<b>Exterior Areas</b>	Vegetated land
<b>Surrounding Area</b>	Rural
<b>Subject Property Utilities</b>	
<b>Electric Source</b>	Public
<b>Natural Gas Source (if provided)</b>	N/A
<b>Potable Water Source</b>	N/A
<b>Sanitary Wastewater Disposal</b>	N/A
<b>Non-Sanitary Wastewater Disposal</b>	N/A; no non-sanitary wastewater is generated other than leachate associated with the capped landfill.

### 2.1 Building Summary

There are no buildings located on the Subject Property other than a pump house on the southwestern corner of the capped landfill.

### 2.2 Physical and Hydrogeological Setting

Based on a review of provided records, the following information was obtained regarding the physical and hydrogeological setting of the Subject Property:



<b>Topography</b>	Sloping radially away from the Subject Property
<b>Elevation (feet above mean sea level)</b>	Between 750 and 789
<b>Subject Property Water Bodies</b>	None
<b>Nearest Water Body</b>	Freshwater pond approximately 265 feet to the northeast
<b>Apparent Groundwater Flow in Surrounding Area</b>	Radially away from the Subject Property
<b>Soil Map Unit(s)</b>	Orthents - well drained soils with moderately high runoff potential when thoroughly wet. Slopes range from 1 to 6 percent.
<b>Geological Information</b>	Silurian; consists of dolostone and limestone from the Silurian
<b>Anticipated Depth to Bedrock (feet)</b>	Greater than seven; reviewed remedial documentation suggests that bedrock ranges from 10 to 50 feet below ground surface on-site.
<b>Anticipated Depth to Groundwater (feet)</b>	Greater than nine feet based on reviewed sampling data.

Refer to Figure 1 for a copy of the Subject Property Location/Topographic Map. Copies of the soil and geological maps and associated descriptions are summarized in the ERIS Physical Setting Report included in the [Hydrogeologic Information](#) Appendix. Groundwater flow was determined based on interpretation of the USGS topographic map and/or provided previous studies.



### 3.0 USER-PROVIDED INFORMATION

In accordance with the ASTM E1527-21, a “User” is defined as the party seeking to complete an environmental site assessment of the property. If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the Subject Property, it is the user’s responsibility to communicate any information based on such specialized knowledge or experience to the Environmental Professional. The User Questionnaire was completed by Raquel Reyes of Greenwood Sustainable Infrastructure LLC. A copy of the User Questionnaire is included in the [User Provided Information](#) Appendix.

ASTM Standard Practice E1527-21 User Questionnaire Questions	Reported by User
<b>Land Title Records</b>	
Are land title records available for review?	Land title records were provided to LaBella for review (refer to Section 5.6).
<b>Environmental Liens or Activity Use Limitations</b>	
Did a search of <i>recorded land title records</i> identify any environmental liens filed or recorded against the <i>property</i> under federal, tribal, state or local law?	The User did not report environmental liens currently recorded against or relating to the property.
Did a search of <i>recorded land title records</i> identify any AULs, such as <i>engineering controls</i> , land use restrictions or <i>institutional controls</i> that are in place at the <i>property</i> and/or have been filed or recorded against the <i>property</i> under federal, tribal, state or local law?	The User reported that the landfill caps cannot be penetrated or interfered with.
<b>Specialized Knowledge</b>	
Does the <i>User</i> of this <i>ESA</i> have any specialized knowledge or experience related to the <i>property</i> or nearby properties? For example, is the <i>User</i> involved in the same line of business as the current or former <i>occupants</i> of the <i>property</i> or an <i>adjacent property</i> so that the <i>User</i> would have specialized knowledge of the chemicals and processes used by this type of business?	The User does not have any specialized knowledge or experiences related to the property or nearby properties.
<b>Commonly Known or Reasonably Ascertainable Information</b>	
Is the <i>User</i> aware of commonly known or <i>reasonably ascertainable</i> information about the	The User is aware that the Subject Property is a discontinued commercial, business, and municipal landfill site.



ASTM Standard Practice E1527-21 User Questionnaire Questions	Reported by User
<i>property</i> that would help identify conditions indicative of releases or threatened releases?	
Based on the <i>User's</i> knowledge and experience related to the <i>property</i> are there any <i>obvious</i> indicators that point to the presence or likely presence of releases at the <i>property</i> ?	The User is aware of obvious indicators that point to the presence or likely presence of contamination at the Subject Property.
<b>Valuation Reduction for Environmental Issues</b>	
Does the purchase price being paid for the <i>property</i> reasonably reflect the fair market value of the <i>property</i> ?	The User answered this question with an "unknown" response.
If the <i>User</i> concluded that there is a difference, has the <i>User</i> considered whether the lower purchase price is because contamination is known or believed to be present at the <i>property</i> ?	N/A

### 3.1 Reason For Performing Phase I ESA

According to ASTM 1527-21, either the User shall make known to the Environmental Professional the reason why the User wants to have the Phase I ESA performed or, if the User does not identify the purpose of the Phase I ESA, the Environmental Professional shall assume the purpose is to qualify for the Landowner Liability Protections under the Brownfields Amendments. The User indicated that the Phase I ESA is being conducted as part of due diligence activities associated with a potential purchase.



## 4.0 SITE RECONNAISSANCE

---

LaBella conducted a site reconnaissance of the Subject Property as well as observations of adjacent properties as viewed from the Subject Property boundaries and public roadways, to the extent possible, to visually identify areas of concern. The site reconnaissance was conducted on January 30, 2024 by Charles Plush, Environmental Manager with LaBella. At the time of the site reconnaissance, LaBella was accompanied by Rod Stripe, District Manager, who has been associated with the Subject Property for approximately 20 years.

Observations discussed in this Section are noted on [Figure 3](#). Copies of the field notes taken during the site reconnaissance are included in the [Site Reconnaissance Worksheet](#) Appendix. Representative photographs of the Subject Property at the time of the site reconnaissance are included in the [Site Photographs](#) Appendix.

Visual observations were limited at the time of the site reconnaissance due to vegetative growth. Additional site visit limitations are discussed in [Section 1.4](#).

### ***Past Uses of Subject Property***

No apparent indicators that would indicate historical uses of the Subject Property (e.g., signs, equipment, etc.) were observed at the time of the site reconnaissance.

### ***Hazardous Substances and Petroleum Products***

No apparent hazardous substances or petroleum products were observed on the Subject Property.

### ***Unidentified Substance Containers***

There were no unidentified substance containers (e.g., unlabeled drums or totes) observed at the time of the site reconnaissance.

### ***Storage Tanks***

No apparent indications of aboveground or underground storage tanks (e.g., fill ports, vent pipes, access ways, etc.) were observed at the Subject Property at the time of the site visit.

### ***Solid, Hazardous, and/or Regulated Wastes***

There were no solid, hazardous, and/or regulated wastes observed to be stored, generated, or discarded on the Subject Property.





Evidence of fill material was observed throughout the Subject Property in the form of a landfill cap. Refer to [Section 6.1.1](#) for further information.

### ***Odors***

No apparent strong, pungent, or noxious odors were observed at the Subject Property at the time of the site reconnaissance.

### ***Standing Water/ Pools of Liquid***

No apparent pools, sumps, or standing water containing liquids likely to be hazardous substances or petroleum products were observed at the Subject Property at the time of the site visit.

### ***PCB-Containing Equipment***

No apparent PCB-containing equipment was observed at the time of the site reconnaissance.

### ***Stains and Corrosion***

No apparent stains or corrosion were observed at the time of the site reconnaissance.

### ***Stressed Vegetation***

No apparent stressed vegetation was observed at the time of the site reconnaissance.

### ***Drains and Sumps***

Drainage ditches were noted throughout the Subject Property. These drains reportedly discharge to stormwater ponds on the southwestern portions of the Subject Property. There were no stains, spills, or unusual odors noted in the vicinity of the storm drains at the time of the site reconnaissance.

Several sumps are located throughout the Subject Property. The sumps reportedly historically collected condensate from leachate to remove moisture prior to flaring. The sumps are reportedly no longer in operation.

### ***Wastewater***

Non-sanitary wastewater does not appear to be generated or discharged at the Subject Property.

### ***Septic Systems and/or Cesspools***

No apparent indications of septic systems or cesspools were observed at the time of the site reconnaissance or are reported to be located on the Subject Property.



## **Wells**

Several groundwater monitoring wells were observed on the Subject Property associated with remediation and/or monitoring. Refer to [Section 6.1.1](#).

No apparent potable, irrigation, dry, or injection wells were observed at the time of the site reconnaissance or are reported to be located on the Subject Property.

## **Additional Information**

In addition to the information summarized above, the following was identified at the time of the site reconnaissance:

- A pump house was located on the southwestern corner of the Subject Property. The pump house was historically utilized to pump and separate gas condensate from gas vents. Gas condensate was drained to sumps and hauled off-site by truck. A moisture separator and associated drum were located proximate to the pump house. It should be noted that the pump house and associated equipment are no longer in operation. No leaks, stains, spills, or unusual odors were noted in the vicinity of the pump house and equipment at the time of the site visit.

## **Adjacent Property Use**

The Subject Property is bordered by the following properties:

<b>Direction</b>	<b>Current Use/Occupant</b>	<b>Apparent Past Use</b>	<b>Potential Concerns Visible During Site Visit</b>
<b>North</b>	Capped landfill (7N930 Route 25) and Markaty Inc. DBA Cement Transport Company (7N904 Route 25)	Commercial	None
<b>East</b>	James Pate Phillip State Park (2050 West Stearns Road) and Blackjacks Gentleman's Club (7N657 Route 25)	Commercial	None
<b>South</b>	Everlast Blacktop (7N540 Route 25)	Commercial	None
<b>West</b>	Illinois Prairie Bike Path	Commercial	None

Refer to [Regulatory Information](#) below for additional information regarding the adjacent properties.



#### **4.1 Site Reconnaissance Summary of Findings**

Observations made by LaBella during the site reconnaissance identified the following features indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property:

- The Subject Property is a capped landfill. Evidence of fill material was observed throughout the Subject Property in the form of a landfill cap. In addition, groundwater monitoring wells were observed on-site in association with ongoing monitoring activities.
- A pump house was located on the southwestern corner of the Subject Property. The pump house was historically utilized to pump and separate gas condensate from gas vents. Gas condensate was drained to sumps and hauled off-site by truck. A moisture separator and associated drum were located proximate the pump house. It should be noted that the pump house and associated equipment are no longer in operation. No leaks, stains, spills, or unusual odors were noted in the vicinity of the pump house and equipment at the time of the site visit.



## 5.0 SUBJECT PROPERTY HISTORY AND USE

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LaBella attempted to review reasonably ascertainable and readily available standard sources of historical information as defined by the ASTM E1527-21 in order to identify all obvious uses of the Subject Property back to the first developed use or 1940, whichever is earlier (i.e., the historical research objective according to ASTM). Uses of the properties adjacent to the Subject Property are identified in this report only to the extent that this information was revealed in the course of researching the Subject Property itself and were determined at the discretion of the Environmental Professional. As such, LaBella reviewed only as many of these sources as necessary to achieve the historical research objective. Data failures and data gaps are identified, defined, and evaluated for their significance in [Section 1.3](#) of this report.

### 5.1 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps do not appear to provide coverage of the Subject Property and surrounding area. A copy of the “No Coverage” letter obtained from ERIS is included in the [Historical Information](#) Appendix.

### 5.2 City Directories

City Directory research was completed by ERIS. As the Subject Property is unaddressed, such was not listed in reviewed directories dated 1929, 1931, 1935, 1939, 1943, 1948, 1951, 1956, 1960, 1965, 1971, 1977, 1982, 1986, 1991, 1996-97, 2000, 2003, 2008, 2012, 2016, 2020, or 2022.

Review of the city directories indicated that properties surrounding the Subject Property were historically utilized for commercial purposes.

### 5.3 Aerial Photographs

The table below outlines observations of the Subject Property and surrounding area obtained from the review of aerial photographs. Copies of aerial photographs are included in the [Historical Information](#) Appendix.

Year	Location	Development
1938 and 1946	Subject Property	Agricultural Sandwith no structures present
	Adjoining Properties and Surrounding Area	Agricultural land and utilized for apparent commercial purposes
1961, 1963, 1972, and 1974	Subject Property	Appears consistent with quarry (1961) and landfill (later years) operations with no structures present



Year	Location	Development
	Adjoining Properties and Surrounding Area	Agricultural land and utilized for apparent commercial purposes, including suspect landfills
1988, 1994, 1999, 2002, 2007, 2012, 2015, and 2019	Subject Property	Appears consistent with a capped landfill with no structures present other than the pump house.
	Adjoining Properties and Surrounding Area	Vacant land, agricultural land and utilized for apparent commercial purposes, including suspect landfills

The following adjacent property uses of potential concern were identified.

- The northern adjacent property appeared to be utilized as a landfill between at least 1961 and 1974.
- Eastern and western adjacent properties appear to have been utilized for quarry and/or landfill operations dating back to at least 1946.

#### 5.4 Topographic Maps

The table below outlines observations of the Subject Property and adjacent properties obtained from the review of topographic maps. Copies of topographic maps are included in the Historical Information Appendix.

Year	Location	Development
1932, 1949, and 1964	Subject Property	No structures were depicted on the Subject Property
	Adjoining Properties and Surrounding Area	Developed with various structures. Railroad tracks were located on the western adjacent property. Apparent mine/quarry operations were noted to the west in 1949.

#### 5.5 Municipal Records

Limited assessment information was obtained from the Kane County GIS website on September 21, 2023. The following information was obtained from these records. Copies of municipal records are included in the [Municipal Information](#) Appendix.

	Findings/Details
Parcel ID(s)	09-01-200-017
Subject Property Size (acres)	42.17
Current Owner	Tri County Landfill Co



	Findings/Details
Former Owners	Not listed
Square Footage of Building(s)/Date(s) of Construction	N/A
Provided Utilities	Not listed

### **5.6 Recorded Land Title Records**

According to the User's Responsibility section of the ASTM Standard Practice E1527-21, "to meet the requirements of 40 C.F.R. 321.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the subject property must be conducted." ASTM also states that the User's requirements "do not impose on the environmental professional the responsibility to undertake a review of land title records or judicial records for environmental liens or AULs." In accordance with the ASTM Standard Practice E1527-21, LaBella has requested the User provide copies of the title records for the Subject Property.

Review of title records for the Subject Property provided by Greenwood Sustainable Infrastructure LLC indicate that the Subject Property is currently owned by Tri-County Landfill Co.

Copies of these title records are included in the [Historical Information](#) Appendix.

### **5.7 Additional Sources**

No additional historical sources were reviewed.

### **5.8 Review of Previous Reports**

LaBella obtained previous reports which are summarized in [Section 6.1.1](#).

### **5.9 Historical Summary of Findings**

Based on LaBella's review of historical sources, the history of the Subject Property is as follows:



Time Period	Apparent Use/Development
At least 1932	No structures were depicted on the Subject Property
Between at least 1938 and 1946	Consisted of agricultural land with no apparent structures
Between at least 1961 and 1976	Utilized as an apparent quarry (1961) with later use as a municipal landfill with no apparent structures
Between at least 1981 and the present day	Capped landfill with no apparent structures other than the existing pump house

Based on LaBella's review of historical information, the adjacent properties were historically undeveloped or utilized for commercial and agricultural purposes. The following adjacent property uses of potential concern were identified:

- The northern adjacent property appeared to be utilized as a landfill between at least 1961 and 1974. Eastern and western adjacent properties appear to have been utilized for quarry and/or landfill operations dating back to at least 1946. Refer to [Section 6.1.2](#) for additional information.
- Railroad tracks historically bound the Subject Property to the west. Railroad ties are commonly treated with chemicals, such as creosote, to prevent the wood from decaying. In addition, railroad ballasts often contain elevated concentrations of heavy metals. Although these chemicals have been known to impact soil and groundwater, no information was obtained indicating that the railroad tracks located adjacent to the Subject Property have impacted the soil and groundwater at the Subject Property.

LaBella's historical research identified the following conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place.





## 6.0 REGULATORY INFORMATION

Federal, state, and tribal environmental regulatory information was provided by ERIS, an independent research firm, which completed an ASTM-compliant regulatory records search. This search was completed to ASTM-defined search distances; however, it should be noted that the distances searched may have been modified based on LaBella's experience due to the geology or nature of the area, as permitted under ASTM E1527-21. Additionally, ERIS conducted a search of supplemental Federal, state, tribal, and local databases to augment the ASTM-specified search; any relevant listings from these supplemental searches are summarized in the following sections. The ERIS report, dated September 22, 2023 is included in the [Regulatory Information](#) Appendix.

The review of regulatory information was completed to evaluate the potential for environmental impact to the Subject Property, including contaminant migration from off-Subject Property locations. This evaluation included a review of regulatory records along with geologic/hydrogeologic information, topographical information, and/or distance relative to the Subject Property.

### 6.1 Regulatory Report Summary

A complete list of the databases reviewed is included within the ERIS report. Below is a summary of the identified listings within their respective search distance:

#### *Regulatory Report Summary*

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ICIS	0.02	2	-	-	-	-	2
LUST	0.5	0	1	1	0	-	2
LUST DOCUMENT	0.5	0	1	2	0	-	3
MINES	0.25	0	0	1	-	-	1
MRDS	1.0	0	0	0	0	1	1
NIPC	0.5	0	1	3	0	-	4
NPL	1.0	1	0	0	0	0	1
PFAS IND	0.5	0	2	0	0	-	2
RCRA NON GEN	0.25	0	1	1	-	-	2



Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
RCRA VSQG	0.25	0	0	1	-	-	1
REM ASSESS	0.5	1	0	0	0	-	1
SEMS	0.5	0	1	1	0	-	2
SEMS ARCHIVE	0.5	0	0	0	1	-	1
SPILLS	0.5	0	1	2	2	-	5
SUPERFUND ROD	1.0	0	0	1	0	0	1
SWF/LF	0.5	1	0	2	0	-	3
TIER 2	0.125	1	0	-	-	-	1
UST	0.25	0	1	2	-	-	3
AIR PERMITS	0.25	0	0	2	-	-	2
AST	0.25	0	2	3	-	-	5
AUL	0.5	0	1	0	0	-	1
CCDD	0.5	0	0	0	1	-	1
CERCLIS	0.5	1	0	0	1	-	2
CERCLIS NFRAP	0.5	0	0	0	1	-	1
FED ENG	0.5	0	0	1	0	-	1
FED INST	0.5	0	0	1	0	-	1
FINDS/FRS	0.02	1	1	-	-	-	2

### 6.1.1 Subject Property Listings

The Subject Property, listed as Tri-County Landfill, was identified as follows:

- FRS listing associated with inclusion in the ICIS Program
- NPL/SEMS/Superfund ROD (EPA ID: ILD048306138): The Subject Property is listed on the NPL, SEMS, and Superfund ROD databases.
- SWF/LF (ID No. 0890800001): The Subject Property is a listed landfill. The status is listed as unknown.



- The Subject Property is listed on the IEPA Document Explorer Remediation and Assessment Database. See below for a summary of documents obtained from the IEPA website.
- The Subject Property is listed on the Environmental Covenants Registry.

LaBella reviewed the following reports from the IEPA:

- Fourth Five-Year Review for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, prepared by USEPA, dated September 11, 2019
- 2020 Annual Report, Tri-County and Elgin Landfills, prepared by SCS Engineers, dated June 2021

The following is a summary of the information obtained from the previous reports.

The Tri-County/Elgin Landfills site encompasses both the Tri-County (Subject Property) and Elgin (northern adjacent property) landfills and consists of approximately 66 acres. The landfills formerly included quarry operations and operated as solid waste disposal facilities until 1976. Most of the improper waste disposal reportedly occurred at the Tri-County Landfill (Subject Property) between 1968 and 1974. The existing cover was put in place in early 1981. Residential and commercial rubbish, industrial waste, and incinerator ash were disposed of at the Elgin landfill between 1961 and 1976.

The site was placed in the NPL under CERCLA on March 31, 1989. A Remedial Investigation/Feasibility Study (RI/FS) was conducted at the site from April 1988 through July 1992 and identified contamination in soil, sediment, and groundwater. The RI/FS determined that a primary pathway for the contaminants to migrate off-site was through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and transporting them to groundwater and surface water by surface and subsurface flow.

On September 30, 1992, the EPA signed a Record of Decision (ROD) selecting a site remedy. On February 2, 1994, EPA entered into an Administrative Order on Consent (AOC) with WMIL and BFI. Under the consent order, WMIL and BFI agreed to perform Remedial Design (RD) activities at the site. The RD was approved on September 30, 1997. The remedy components of the ROD included:

- Excavation and consolidation under the landfill cap of contaminated sediments that exceeded background levels;
- Construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and RCRA Subtitle D cover requirements, as applicable;
- Collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-site, low-level groundwater contamination, to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries;
- Active collection and treatment of landfill gases;
- Comprehensive monitoring program to ensure the effectiveness of the remedy;



- Institutional controls (ICs) to limit land and groundwater use; and
- Provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the groundwater response component.

The EPA issued an Explanation of Significant Differences (ESD) on June 25, 1996 due to observed contaminant decreases. On April 23, 1998, EPA issued a second ESD to reflect changes in design and construction specifications for a landfill cap. On July 14, 1999, a third ESD was signed that allowed for the use of a high strength, low-permeability asphalt cap for the Elgin Landfill and the Elgin-Wayne portion of the Tri-County Landfill at the site. On July 3, 2001, EPA issued a fourth ESD to account for the sale of the Elgin Landfill properties to BFI by the previous landowners.

On November 1, 2001, a Preliminary Close-Out Report (PCOR) was signed certifying that the construction of the site remedy successfully achieved the requirements of the ROD and the RD.

ICs for the site include restricted land and groundwater use.

According to the 2020 Annual Report, the following conclusions were made:

- Based on the observations summarized in the report, the source control measures (i.e., landfill cap and gas control systems) at the site continue to be maintained in good condition and are functioning as designed. The site access controls (i.e., perimeter fencing, gates, and signage) continue to be effective, as there were no reported incidences of damage to the remedial components of the site.
- The data from the 2020 annual sampling event at the site are generally complete and acceptable for use. Review of laboratory quality control data and results from analysis of quality control samples do not indicate any significant issues with regard to data quality. Except for the one item noted, site monitoring wells were sampled and analysis was performed as required during the sampling period.
- The data from the sampling period are generally consistent with data from prior annual sampling events. There were no concentrations of mercury or cyanide identified above the MCLs established under the Federal Safe Drinking Water Act or the Class I ILGWQS established under 35 Illinois Administrative Code 620.410 in the samples collected during the reporting period.
- There were a total of 39 results from analysis of samples from the groundwater monitoring wells during this reporting period that met or exceeded an MCL or Class I ILGWQS. Only eight of the exceedances were related to an MCL and were associated with three parameters (i.e., arsenic, chromium, and nitrate). Most of the exceedances were results from analysis of samples from wells in the shallow groundwater zone. There were four results in the data from laboratory analysis of the sample from well MW20S that exceeded the screening criteria; that was the highest number of exceedances in any single well. Although the concentrations over time of a number of indicator parameters or metals exhibited some variability, quality in the vicinity of the site is generally stable. The variations in the shallow and intermediate zone and indirectly in bedrock, may be related to prior sand and gravel mining in the vicinity



of the site. As such, Class IV ILGWQS may be applicable. The groundwater in the shallow and intermediate zones is not likely usable as a potable water source; thus, the Class II ILGWQS may also be applicable. Only one concentration was in excess of Class IV ILGWQS.

- Results from analysis of sample from four private wells in the vicinity of the site do not indicate site-related impacts. Although the concentrations of one or more parameters exceeded the screening criteria in samples from two of the four wells, the well water was reportedly used only as a non-potable water source at both locations.
- Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the immediate zone is primarily to the south in the vicinity of the site, with local components of flow away from the landfill on the western and eastern perimeter. Groundwater flow in the deep zone appears to also be toward the south. Data from measurements at nested wells indicate slight downward gradients between the shallow/intermediate and intermediate/deep zones in the vicinity of the site, where vertical flow is impeded by the presence of fine grain soil.
- Natural attenuation continues to be effective in reducing the concentration of contaminants in the vicinity of the site. While there may be areas in the vicinity of the waste mass where anaerobic conditions exist in groundwater, the data described indicates that groundwater conditions further away from the waste mass are generally aerobic.

The following recommendations were made:

- Continue, at a minimum, annual site inspections of the landfill caps and site access controls
- Continue passive operation of the gas wells and trenches at the site, and verify proper operation through quarterly inspections.
- Passive operation of the gas wells and trenches at the site has been demonstrated to be effective, in that active operation of the landfill gas control system has not been necessary since the conversion to passive operation approximately seven years ago. As such, the components of the former active system (i.e., blower/flare & appurtenances) could be removed or abandoned. If methane is identified within a building, or concentrations with pressure at perimeter probes become an issue, nearby wells could be connected to a temporary, portable blower, or fitted with solar-powered vents.
- Continue quarterly inspections of the landfill gas control system, including the collection points (wells and trenches) and perimeter gas probes, and quarterly monitoring of the perimeter gas probes.
- Quarterly field monitoring of landfill gas quality, pressure/vacuum, and temperature at the vents (i.e., former wells) on the former Elgin Landfill could be discontinued.
- In that groundwater conditions are stable, and mercury and cyanide continue to be quantified at concentrations above reporting limits in groundwater samples, analysis for these parameters should be discontinued.
- The conditions at the site warrant consideration of delisting from the NPL or a reduction in the frequency of groundwater sampling. Groundwater sampling could be performed every



five years so that the data are available to support USEPA's periodic site reviews. Periodic inspections (quarterly or annual) for the Tri-County and Elgin landfills would continue to be performed and the reports submitted to USEPA by WMIL and BSI. The data from the groundwater sampling event would be evaluated in a technical report that would be submitted to the USEPA for consideration in its five-year reviews for the site. The preparation and submittal of these annual reports would be discontinued. Options for future actions at the site should be considered in conjunction with the ongoing five-year reviews, with discussion occurring so that the options for future actions would be included in the next review for the site in 2024. That review will be the fifth five-year review subsequent to completion of construction of the RA at the site.

Copies of the reviewed reports are included in the [Previous Reports](#) Appendix.

Based on the remedial measures completed and on-going measures under the ROD with associated IC/ECs in place, this information is considered a CREC for the Subject Property.

#### 6.1.2 Adjacent Property Listings

The following regulatory listings associated with adjacent properties were identified:

##### Elgin Landfill at 7N802 Route 25 (north)

- RCRA Non-Generator (ILR000106971) with no violations. This facility was identified as a SQG in 2001 with wastes generated listed as ignitable waste.
- FRS listing associated with inclusion in the ACES and RCRA Programs
- CERCLIS/SEMS (EPA ID: ILD981960800): The property is listed on the CERCLIS and SEMS databases.
- The property is listed as a historical Solid Waste Disposal Site.

Based on the lack of documented violations, and the investigation and remediation completed on the Subject Property with in-place controls, there does not appear to be a REC for the Subject Property in association with the adjacent regulatory listings at this time.

#### 6.1.3 Additional Listings

Based on distance and presumed direction of groundwater flow, none of the other sites listed within the database report are considered likely to have current or former releases of hazardous substances and/or petroleum products with the potential to migrate to the Subject Property.

#### 6.1.4 Unmappable Listings

Unmapped facilities were identified within the ERIS report. The specific location of these listings could not be determined due to incomplete or inaccurate address information. Based on the limited



address information available for the listings, they do not appear to be associated with the Subject Property or adjacent properties.

## **6.2 Enforcement Action/Permitted Activities/Institutional Controls**

An ROD with associated EC/ICs is in place for the Subject Property as discussed in Section [6.1.1](#) above. Provided Information indicates that the Subject Property is subject to various environmental permit activities as discussed above.

## **6.3 Regulatory Agency File and Records Review**

The purpose of the regulatory file review is to obtain sufficient information to assist the Environmental Professional in determining if a recognized environmental condition, controlled recognized environmental condition, historical recognized environmental condition, de minimis condition, or significant data gap exists at the Subject Property in connection with the identified listings. Regulatory listings identified in the database report for the Subject Property and adjacent properties were evaluated in order to determine the need for a regulatory file review. Based on this evaluation, the following was concluded:

- A file review was completed relative to Subject Property and adjacent property regulatory listings and is included in the summary above.

## **6.4 Regulatory Information Summary**

LaBella's review of regulatory information identified the following conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property.

- The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfilling operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.





## 7.0 INTERVIEWS

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Interviews were completed with representatives of the owner/operator of the Subject Property, Subject Property occupants, neighbors, and/or former owners/operators, to the extent possible, to further assess Subject Property operations and/or potential environmental concerns.

Additional information was obtained through federal, state, tribal, and/or local agencies or via the submission of Records Requests, as documented below.

### 7.1 Owner/Subject Property Representative

David Evenhouse, Owner, completed an interview form as part of this assessment on October 26, 2023. David Evenhouse has been associated with the Subject Property for eight months. The following information was provided:

- The Subject Property has been a confirmed Superfund Site since 1981.
- The Subject Property operated as a landfill for solid waste disposal facilities until 1976.
- Hazardous substances that were released on-site included arsenic, beryllium, benzo(a)anthracene, benzo(a)pyrene, benzo(a)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene, aroclor-1242, aroclor-1254 in soil; antimony, arsenic, barium, chromium, cobalt, manganese, thallium, benzene, 2-butanone, 1,2-dichloroethene, PCE, TCE, vinyl chloride, bis(2-ethylhexyl)phthalate, 1,4-dichlorobenzene in groundwater; and arsenic and cobalt in surface water.
- The landfill was closed under a court order in 1981. An explanation of significant differences was issued on September 27, 1999.
- There has been remediation on-site and monitoring is still required.

The notes from the interview are included in the [Owner/Operator-Provided Information](#) Appendix.

### 7.2 Current Occupants

There are no current occupants of the Subject Property.

### 7.3 Former Owners/Operators/Occupants

No past owners/occupants/operators were contacted because no contact information was provided through available municipal records or through a focused online search.

### 7.4 Neighbors

The Subject Property is not an abandoned property; therefore, interviews with the neighboring property owners were not conducted.



### **7.5 Local Government Official**

A FOIA request was submitted to the Kane County Clerk, John Cunningham on September 21, 2023 requesting copies of building department, assessment, and fire marshal records on file for the Subject Property. A complete response has not been received as of the date of this report. A copy of the FOIA request is included in the Municipal Information Appendix.

### **7.6 Local Fire Department**

In LaBella's experience, records from the fire department that serves the Subject Property would be included in FOIL records obtained from the local government official, as noted in [Section 7.5](#) above.

### **7.7 State Regulator**

A FOIA request was submitted to the IEPA on September 21, 2023 for information regarding the Subject Property and adjacent and/or nearby properties suspected to pose a potential concern to the Subject Property based on a review of the database report and/or other regulatory records. Records were obtained from the IEPS and are discussed in further detail in Section [6.1.1](#), above. Copies of the FOIA request and the documents obtained are included in the [Previous Reports](#) Appendix.

### **7.8 State and/or County Health Department**

A FOIA request was submitted to the KCHD on September 21, 2023 for information regarding the Subject Property. As of the date of this report submission, a response has not been received. A copy of the FOIA request is included in the [Regulatory Information](#) Appendix.

### **7.9 Summary of Interviews**

LaBella's interviews and/or review of provided records did not identify conditions indicative of the presence or likely presence of hazardous substances or petroleum products in, on, or at the Subject Property unless discussed elsewhere in this report.



## 8.0 ADDITIONAL SERVICES/ASTM NON-SCOPE CONSIDERATIONS

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### 8.1 *Emerging Contaminants*

Hazardous substances are those defined as such pursuant to CERCLA 42 U.S.C. § 9601(14), as interpreted by USEPA regulations and the courts. There are some substances that others may assume to be classified as hazardous substances that are in fact not defined (or not yet defined) as hazardous substances under CERCLA through interpretation by USEPA regulations.

These and any other “emerging contaminants,” where they are not identified as a hazardous substance by CERCLA, as interpreted by USEPA regulations and the courts, are not included in the scope of E1527-21. Some of these substances may be considered a “hazardous substance” (or equivalent) under applicable state laws. In those instances, where a Phase I ESA is performed to satisfy both federal and state requirements, or as directed by the user of the report, it is permissible to include analysis and/or discussion of these substances in the same manner as any other Non-Scope Consideration. If and when such emerging contaminants are defined as hazardous substances under CERCLA, as interpreted by USEPA regulations and the courts, such substances shall be evaluated within the scope of ASTM E1527-21.

No information was provided indicating emerging contaminant impacts to groundwater in the area of the Subject Property; however, LaBella notes that no laboratory results for emerging contaminant analysis were provided for review.



## 9.0 FINDINGS AND OPINIONS

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The Subject Property, an unaddressed parcel on Route 25 (Parcel ID: 09-01-200-017), St. Charles, Illinois, includes 42.17-acres of land and is developed with a capped landfill. The Subject Property was historically utilized agriculturally and as a quarry. Municipal landfill operations took place through 1976 and in 1981 a cap was placed over the landfill.

Based on the results of this assessment, no RECs have been identified in connection with the Subject Property.

Based on the results of this assessment, the following CREC has been identified in connection with the Subject Property:

- Based on the records reviewed, the Subject Property was utilized for agricultural purposes from at least 1938 to 1946, appears to have operated as a quarry in at least 1961, and operated as a municipal landfill through at least 1976. By 1981, the landfill was capped. Monitoring wells and an out of use gas vent pumping system were observed on-site at the time of the site reconnaissance. Investigations and remedial activities have been conducted on the Subject Property to address associated contamination under the NPL with an ROD and associated IC/ECs in place. The Subject Property was listed in the NPL, SEMS, Superfund ROD, and SWF/LF databases associated with on-site soil and groundwater contamination associated with former landfill operations. Investigations and remedial activities have been conducted on the Subject Property to address contamination under the NPL with an ROD and associated IC/ECs in place.

Based on the results of this assessment, no HRECs, de minimis conditions, or significant data gaps have been identified in connection with the Subject Property.

### 9.1 Additional Investigation

**Based on the findings of this assessment, no additional investigation is warranted at this time. Long-term management of the Subject Property and any future site work/redevelopment should be conducted in accordance with the procedures/contingencies outlined within the ROD.**



## 10.0 CONCLUSIONS

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LaBella has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-21 for the unaddressed parcel on Route 25, St. Charles, Illinois, the Subject Property. Any exceptions to, or deletions from, this practice are described in [Section 1.4](#) of this report.

This assessment has revealed the following recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the Subject Property:

- Engineering and Institutional Controls in place at the Subject Property under a ROD to control exposure of residual contamination relative to historical on-site landfilling operations.

This report constitutes the findings of LaBella's investigation conducted for the Subject Property as written and reviewed by the following personnel:

Michael Delaney  
Senior Environmental Analyst

Dave Crandall  
Phase I Program Manager



## 11.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

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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 C.F.R. § 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Dave Crandall  
Phase I Program Manager  
*Environmental Professional*  
February 7, 2024



## 12.0 REFERENCES

	Source
USGS 7.5 Minute Topographic Quadrangle Map of St. Charles, Illinois	USGS Website
Kane County Soil Survey	ERIS
Federal Environmental Regulatory Listings	ERIS
State Environmental Regulatory Listings	ERIS
Local Landfill or Solid Waste Information	ERIS
Sanborn Fire Insurance Maps	Not available for review
City Directories	ERIS
Aerial Photographs	<a href="http://www.historicaerials.com">www.historicaerials.com</a>
Historical Topographic Maps	<a href="http://www.historicaerials.com">www.historicaerials.com</a>
Previous Reports	2019 Fourth Five-Year Review for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, prepared by USEPA and 2020 Annual Report, Tri-County and Elgin Landfills, prepared by SCS Engineers, dated June 2021





### 13.0 LIST OF ABBREVIATIONS/ACRONYMS

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ACM	Asbestos Containing Material
AIRS	Aerometric Information Retrieval System
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity Use Limitation
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CBS	Chemical Bulk Storage
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CORRACTS	Corrective Action
CREC	Controlled Recognized Environmental Condition
DRO	Diesel Range Organics
ECHO	Enforcement Compliance History Online
ERIS	Environmental Risk Information Services
ERNS	Emergency Response and Notification System
FINDS	Facility Index System
FIS	Facility Information System
FOIA	Freedom of Information Act
FOIL	Freedom of Information Law
FRS	Facility Registry Service
Ft. bgs	Feet Below Ground Surface
FWM	Freshwater Wetlands Map
GRO	Gasoline Range Organics
HREC	Historical Recognized Environmental Condition
HS/PP	Hazardous Substances/Petroleum Products
IC/EC	Institutional Control/Engineering Control
ICIS	Integrated Compliance Information System
IEPA	Illinois Environmental Protection Agency
IGPA	Illinois Groundwater Protection Act
KCHD	Kane County Health Department
LAST	Leaking Aboveground Storage Tank
LQG	Large Quantity Generator
LST	Leaking Storage Tank
LTANK	Leaking Tank
LUST	Leaking Underground Storage Tank



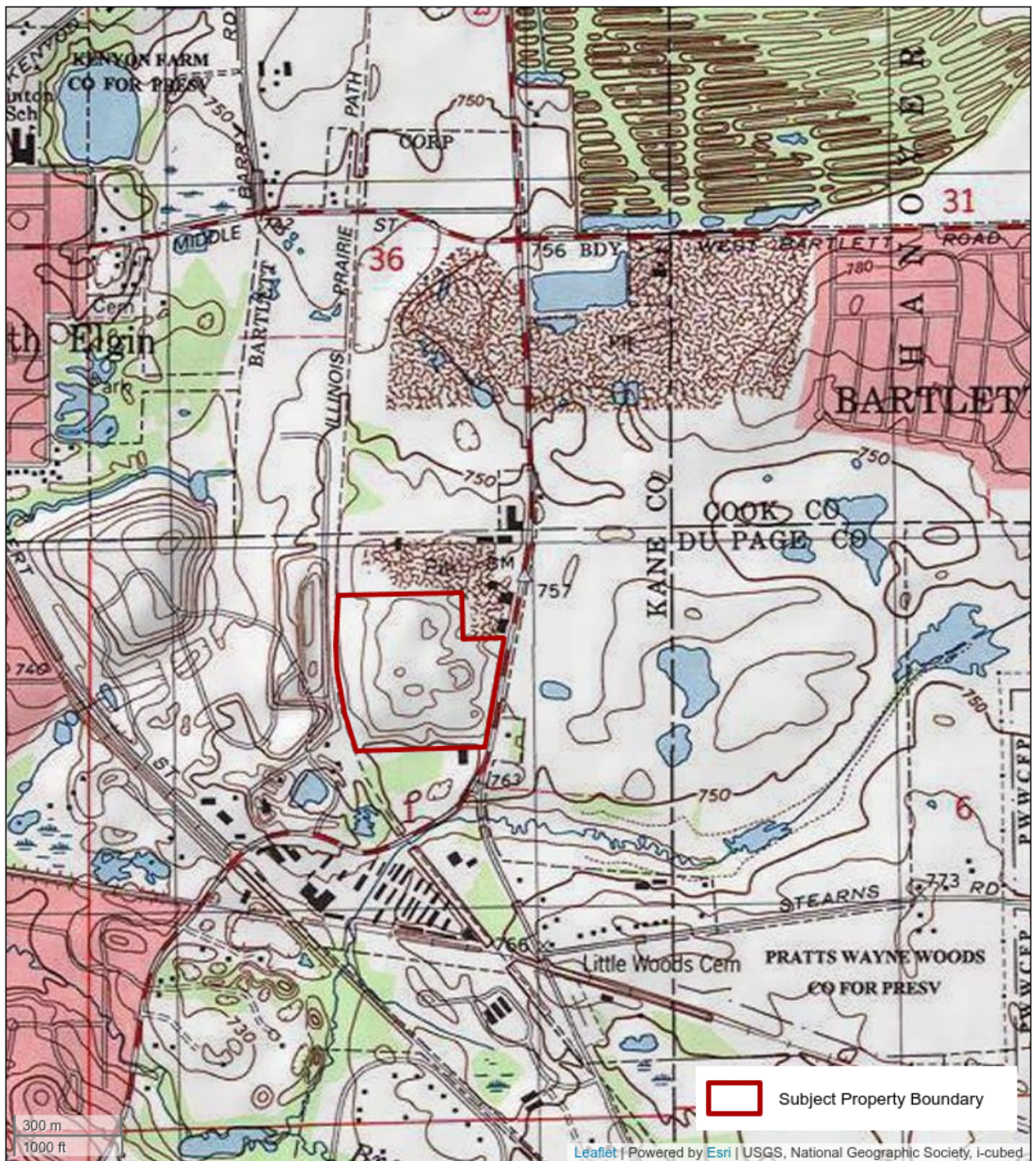
mg/kg	Milligrams Per Kilogram
mg/L	Milligrams Per Liter
MOSF	Major Oil Storage Facility
MTBE	Methyl Tert-Butyl Ether
mVOC	Microbial Volatile Organic Compound
N/A	Not Available/Not Applicable
NFRAP	No Further Remedial Action Planned
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resource Conservation Service
NWI	National Wetlands Inventory
PAHs	Polycyclic Aromatic Hydrocarbons
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethylene
pCi/L	Pico Curies per Liter
PEC	Potential Environmental Concern
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
ppb	Parts Per Billion
ppm	Parts Per Million
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
REC	Recognized Environmental Condition
SDS	Safety Data Sheet
SEMS	Superfund Enterprise Management System
SPDES	State Pollution Discharge Elimination System
SQG	Small Quantity Generator
SVOC	Semi-Volatile Organic Compound
TACO	Tiered Approach to Corrective Action Objectives
TAL	Target Analyte List
TCE	Trichloroethylene
TCL	Target Compound List
TPH	Total Petroleum Hydrocarbons
TSDF	Treatment, Storage, and Disposal Facility
UECA	Uniform Environmental Covenant Act
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency



USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
VSQG	Very Small Quantity Generator
µg/L	Micrograms Per Liter
µg/kg	Micrograms Per Kilogram
µg/m <sup>3</sup>	Micrograms Per Cubic Meter

## Site Maps





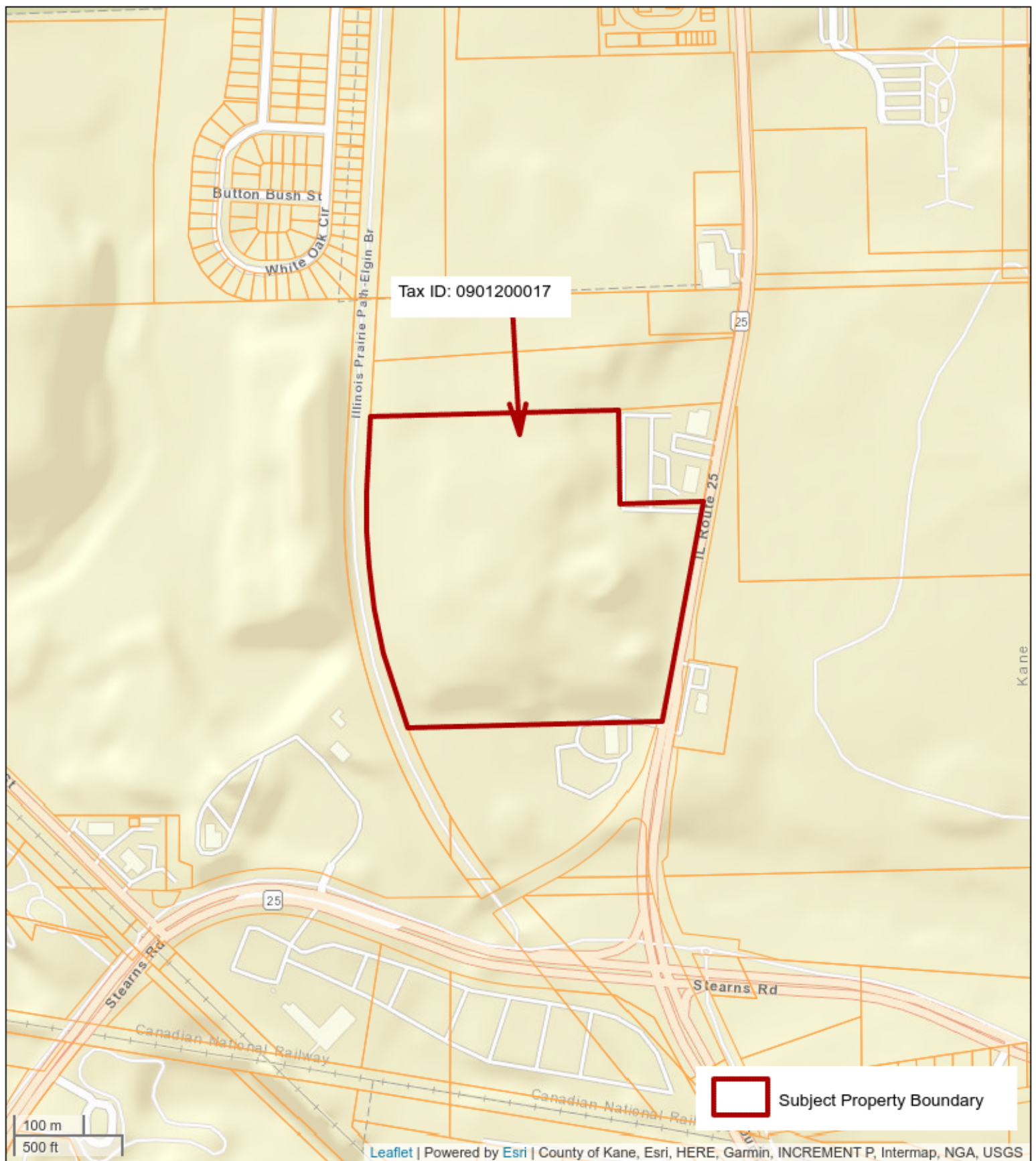
**Figure 1 Site Location Map**

Unaddressed Parcel on Route 25

St Charles Illinois 60120

Project No. 2233821





**Figure 2 Site Property Tax Map**

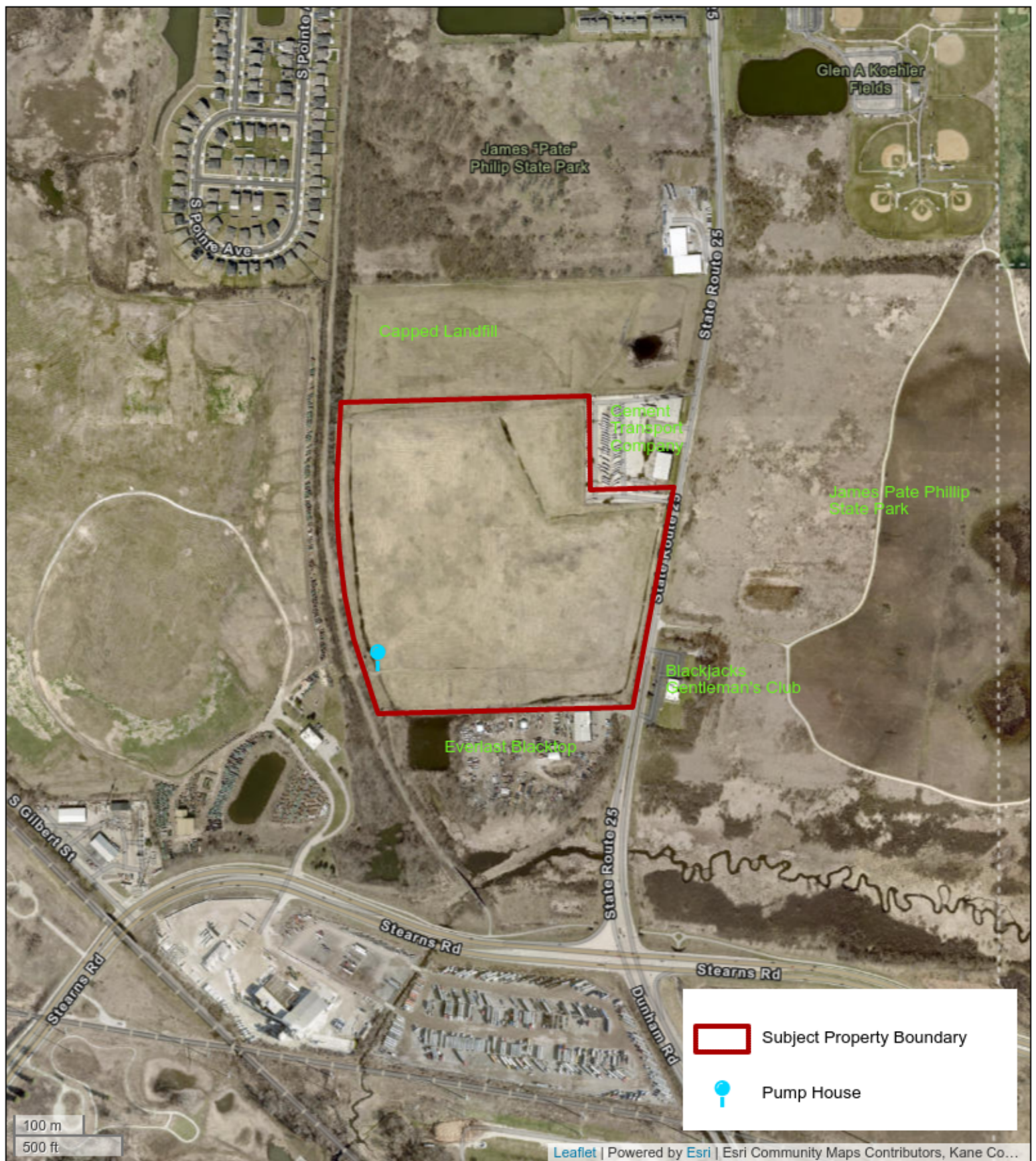
Unaddressed Parcel on Route 25

St Charles, Illinois 60120

Project No. 2233821







**Figure 3 Site Plan**  
 unaddressed parcel on Route 25  
 St. Charles, Illinois 60120  
 Project No. 2233821





# Hydrogeologic Information



## Property Information

Order Number: 23092102348p  
Date Completed: September 22, 2023  
Project Number: 2233821  
Project Property: Tri-County Solar  
Route 25 Elgin IL 60120  
Coordinates:  
Latitude: 41.98281015  
Longitude: -88.27141827  
UTM Northing: 4648649.41474 Meters  
UTM Easting: 394674.90295 Meters  
UTM Zone: UTM Zone 16T  
Elevation: 787.77 ft  
Slope Direction: N

Topographic Information.....	2
Hydrologic Information.....	4
Geologic Information.....	9
Soil Information.....	11
Wells and Additional Sources.....	30
Summary.....	31
Detail Report.....	35
Radon Information.....	125
Appendix.....	127
Liability Notice.....	129

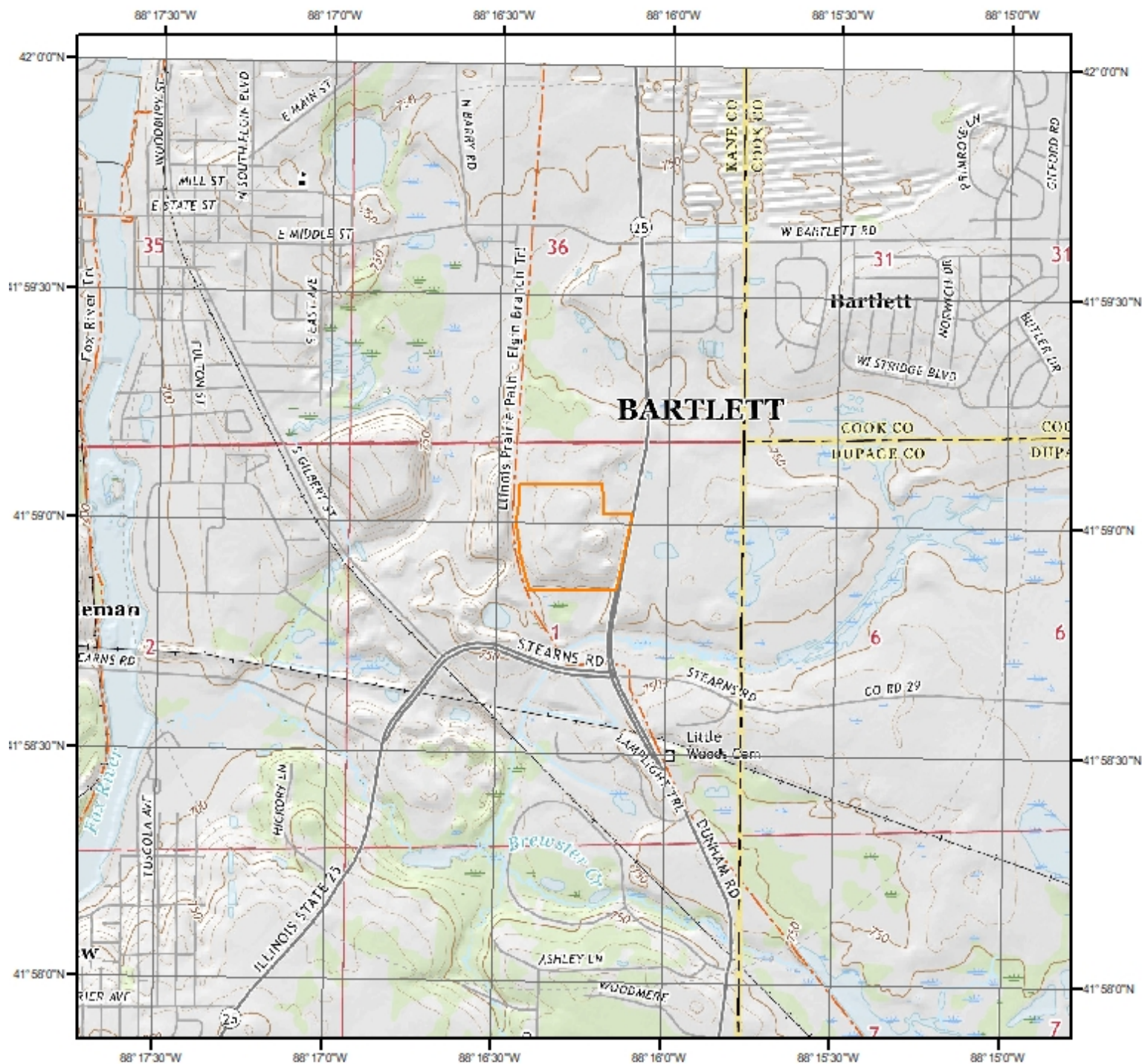
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

### Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

## Topographic Information



### Current USGS Topo (2021)



Quadrangle(s): West Chicago, IL; Geneva, IL

Source: USGS 7.5 Minute Topographic Map



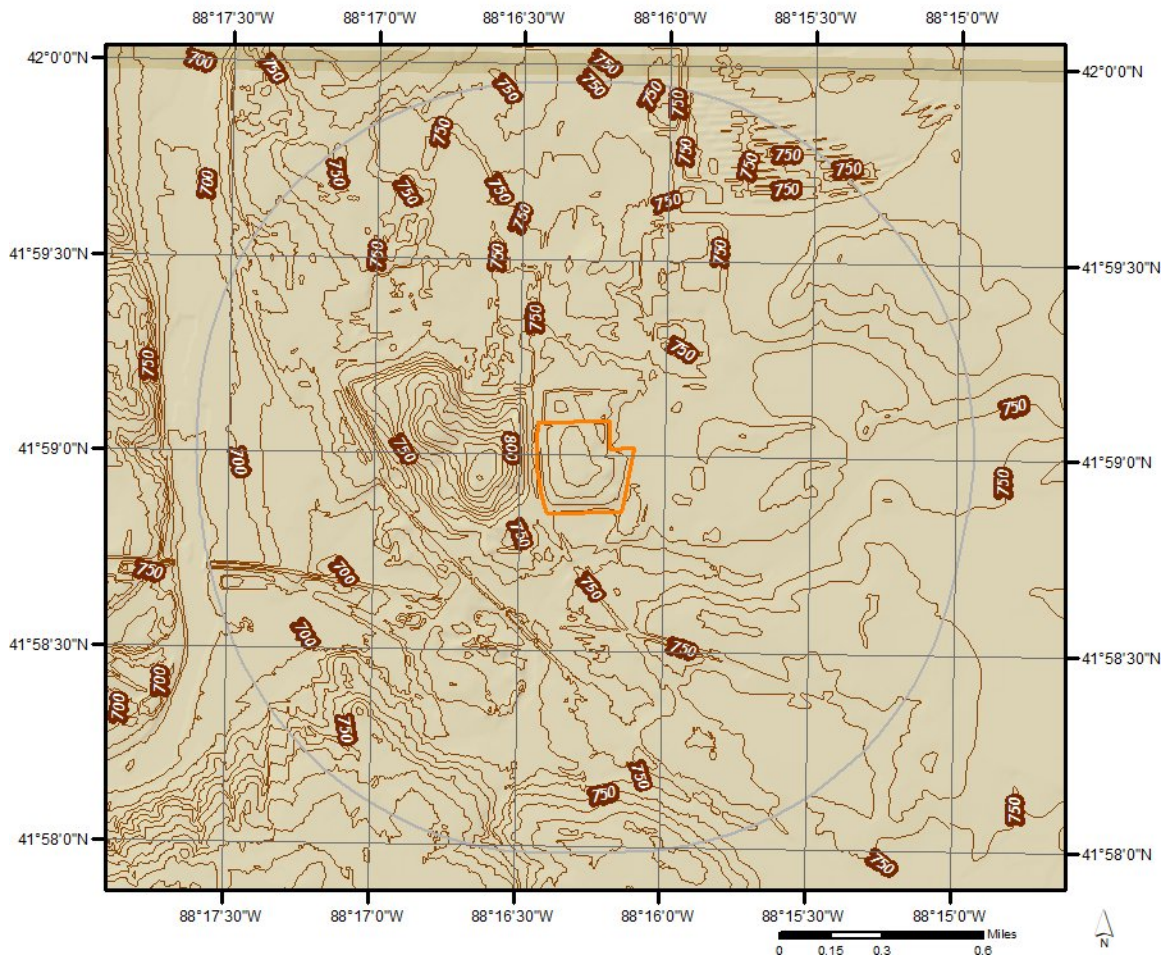
## Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

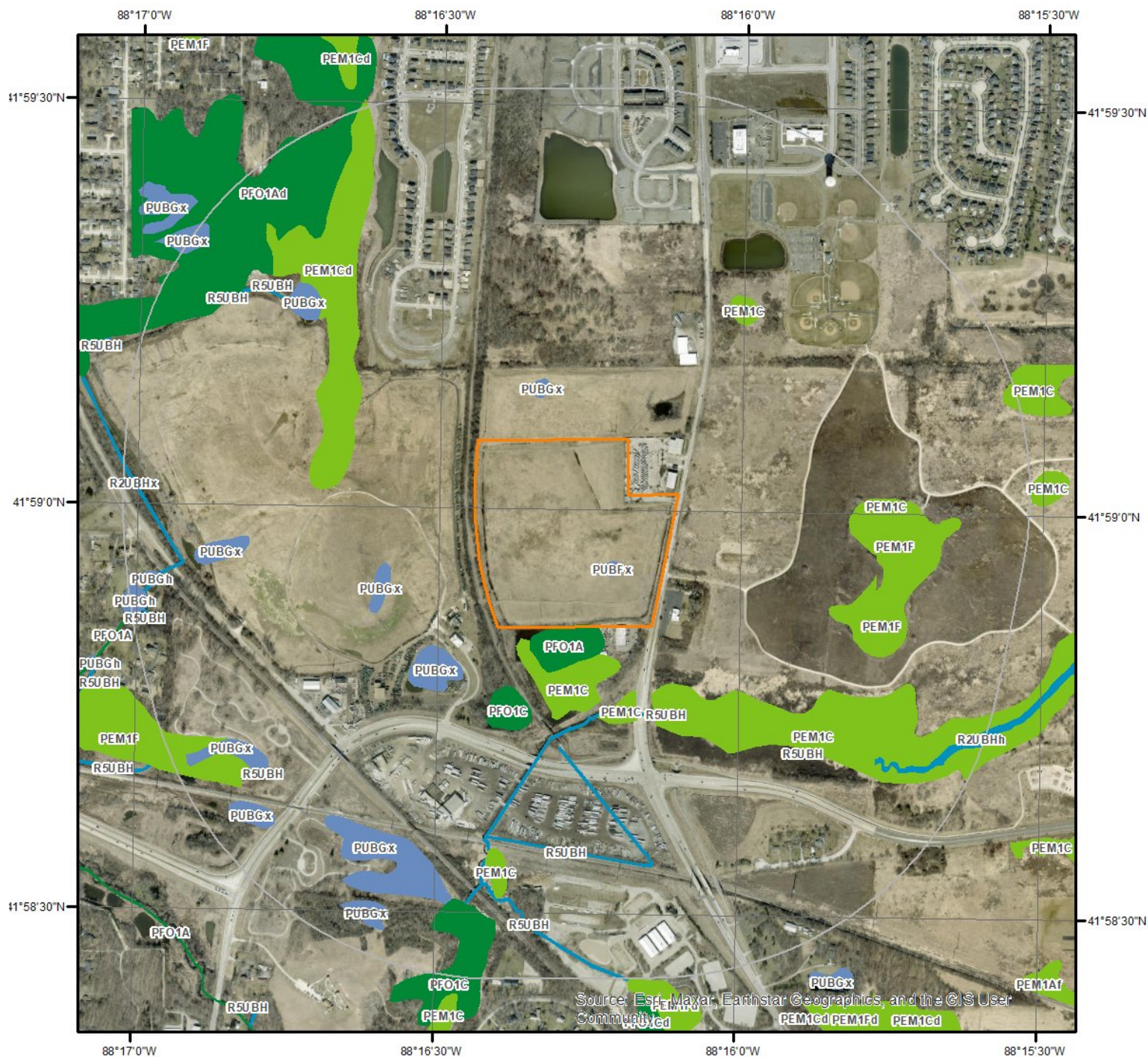
Elevation: 787.77 ft

Slope Direction: N

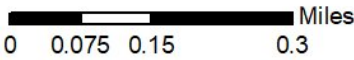




# Hydrologic Information



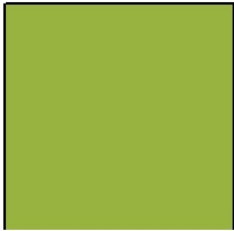
## Wetland



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

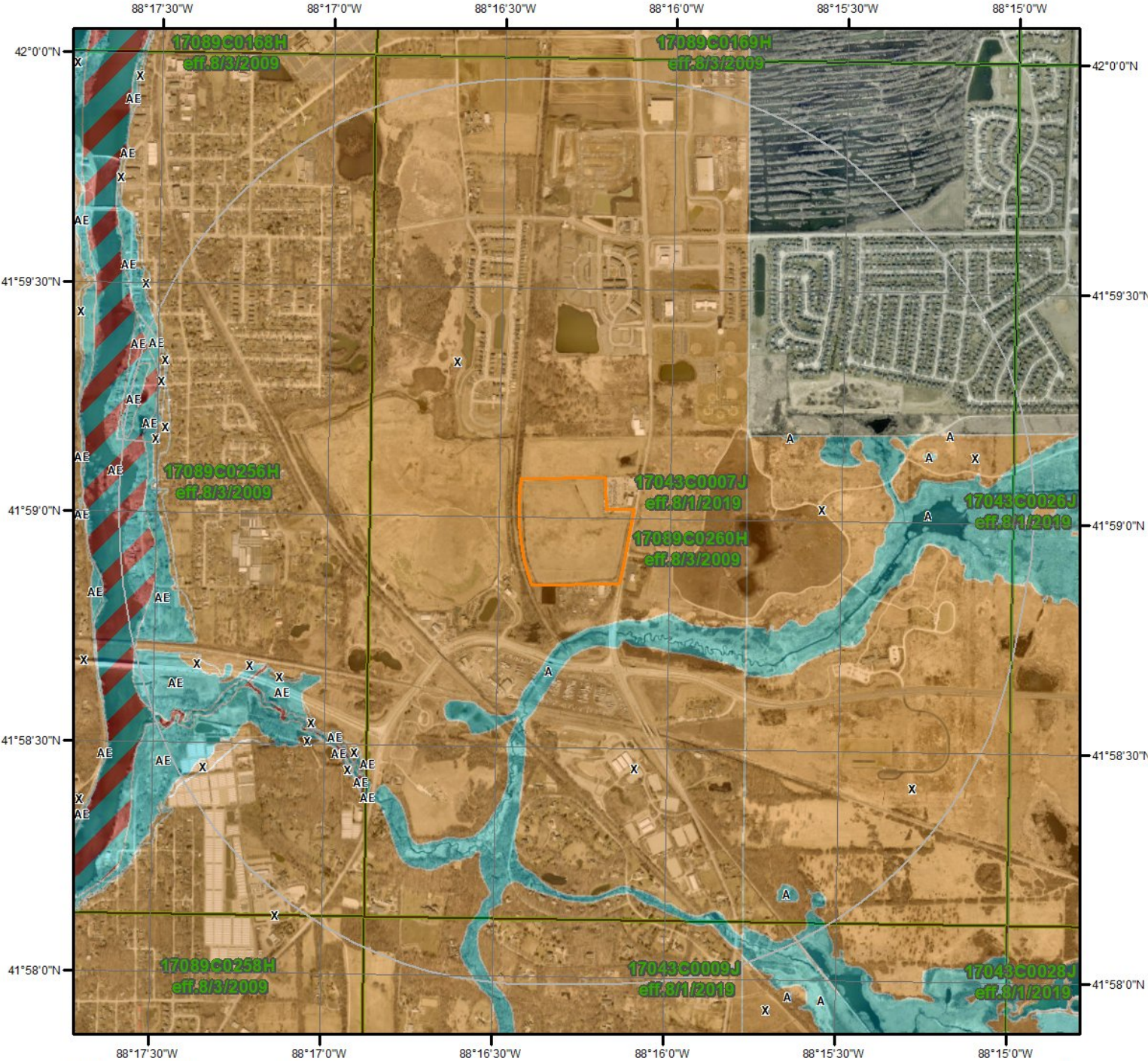
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine





Hydrologic Information

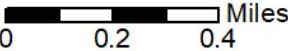


Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): West Chicago,IL; Geneva,IL



## Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

---

Available FIRM Panels in area:

17089C0256H(effective:2009-08-03) 17089C0258H(effective:2009-08-03)  
17089C0260H(effective:2009-08-03) 17043C0009J(effective:2019-08-01)  
17043C0007J(effective:2019-08-01) 17043C0026J(effective:2019-08-01)

---

### Flood Zone A-01

Zone: A  
Zone subtype:

---

### Flood Zone AE-01

Zone: AE  
Zone subtype:

---

### Flood Zone AE-11

Zone: AE  
Zone subtype: FLOODWAY

---

### Flood Zone X-01

Zone: X  
Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

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### Flood Zone X-12

Zone: X  
Zone subtype: AREA OF MINIMAL FLOOD HAZARD



## FEMA Flood Zone Definitions

### Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

### Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

## Hydrologic Information

### Moderate and Minimal Risk Areas

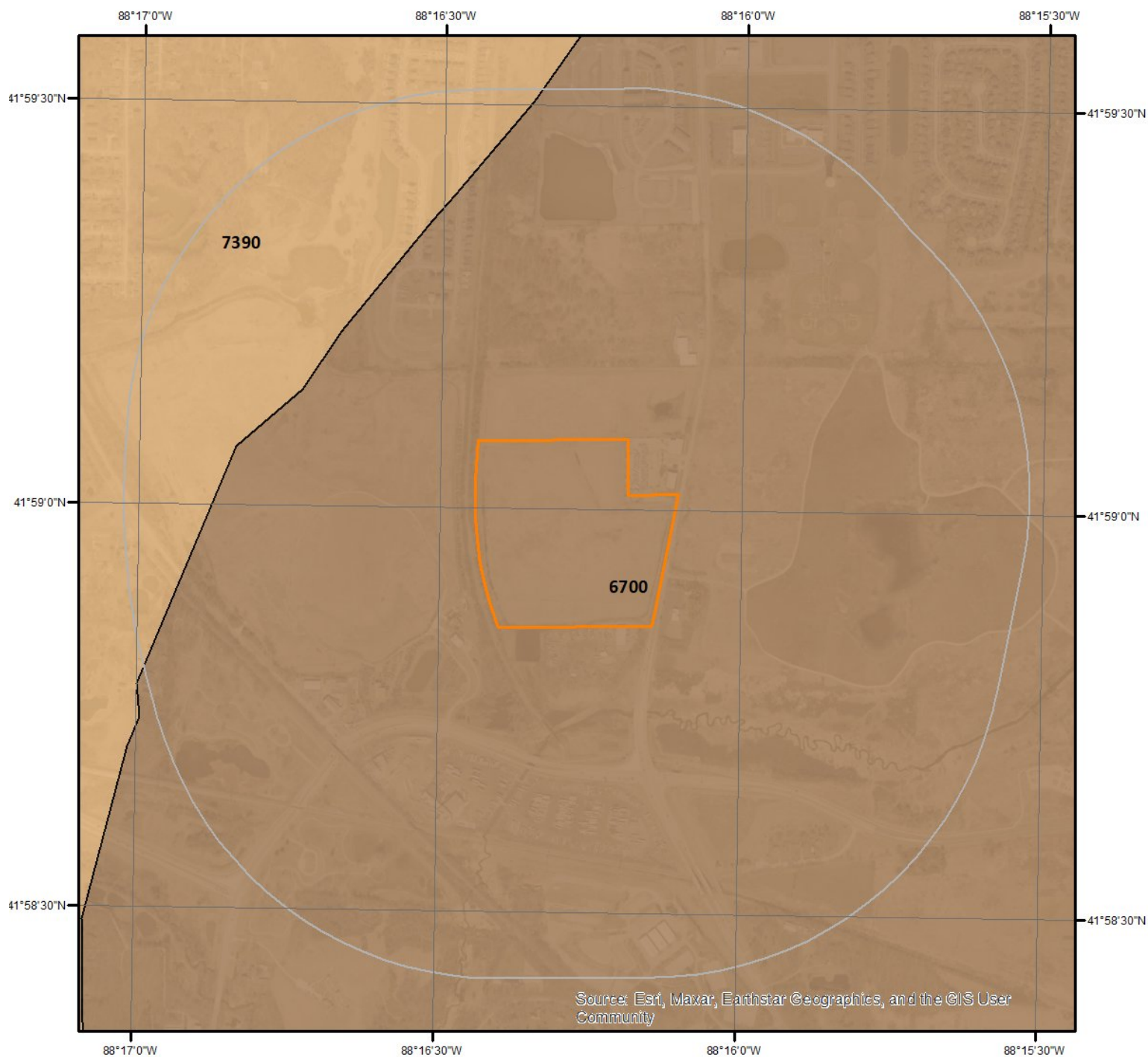
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

### Undetermined Risk Areas

ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

**Geologic Information**



**Geologic Units**

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



## Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

---

### Geologic Unit 6700

Unit Name:	Silurian
Unit Age:	Silurian
Primary Rock Type:	dolostone (dolomite)
Secondary Rock Type:	limestone
Unit Description:	Silurian

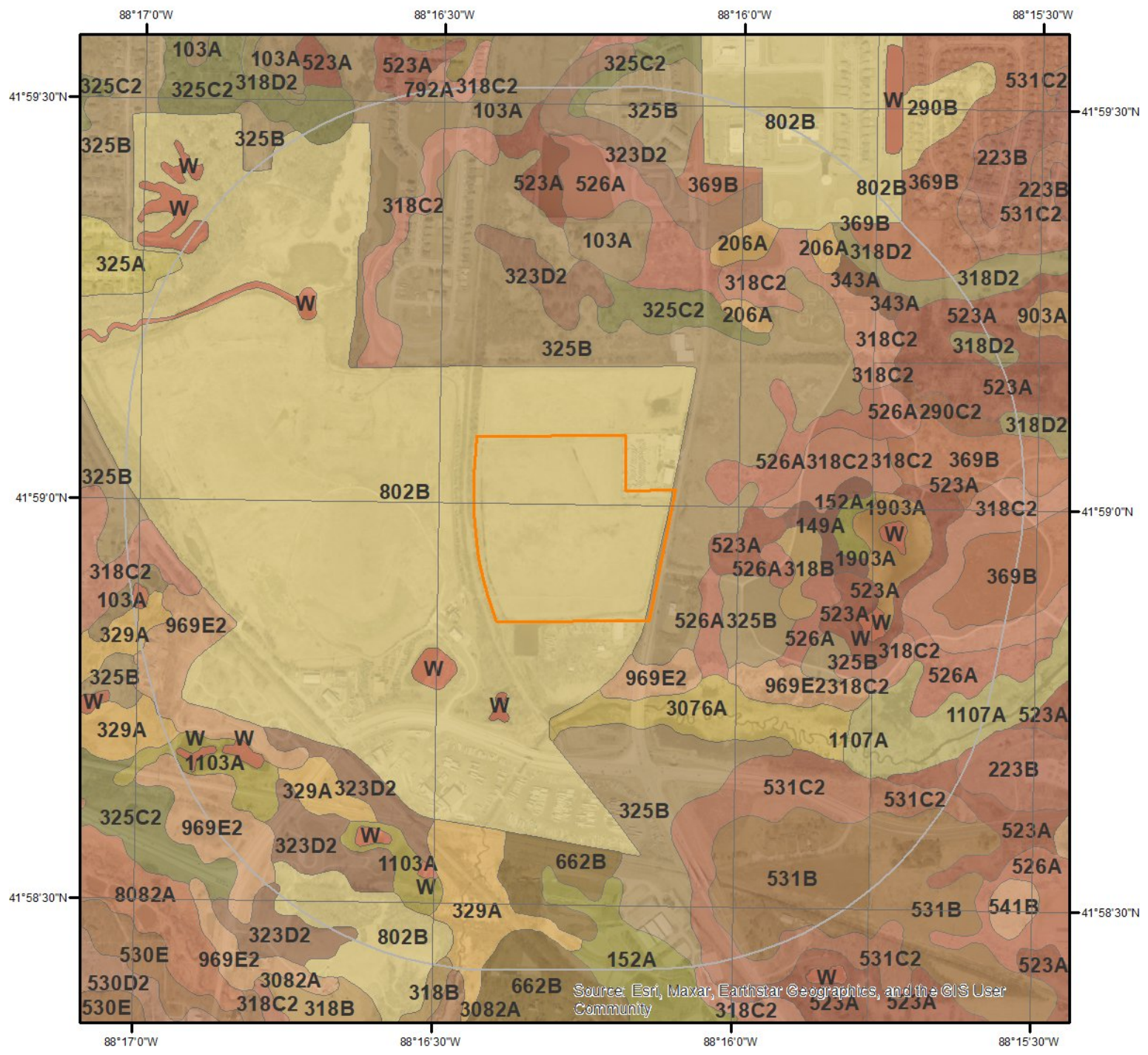
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### Geologic Unit 7390

Unit Name:	Maquoketa Group
Unit Age:	Ordovician
Primary Rock Type:	shale
Secondary Rock Type:	limestone
Unit Description:	Maquoketa Group



Soil Information



SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



## Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

### Map Unit 103A (4.0%)

Map Unit Name:	Houghton muck, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Houghton(90%)	
horizon Oap(0cm to 15cm)	Muck
horizon Oa(15cm to 200cm)	Muck

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 103A - Houghton muck, 0 to 2 percent slopes

Component: Houghton (90%)

The Houghton, muck component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions on outwash plains. The parent material consists of herbaceous organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, December. Organic matter content in the surface horizon is about 45 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Houghton (4%)

Generated brief soil descriptions are created for major soil components. The Houghton, ponded soil is a minor component.

Component: Adrian (2%)

Generated brief soil descriptions are created for major soil components. The Adrian soil is a minor component.

Component: Palms (2%)

Generated brief soil descriptions are created for major soil components. The Palms soil is a minor component.

Component: Edwards (1%)

Generated brief soil descriptions are created for major soil components. The Edwards soil is a minor component.

Component: Willette (1%)

Generated brief soil descriptions are created for major soil components. The Willette, muck soil is a minor component.

### Map Unit 1103A (0.67%)

Map Unit Name:	Houghton muck, undrained, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	7cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Houghton(91%)
---------------

## Soil Information

horizon Oa1(0cm to 18cm)  
horizon Oa2(18cm to 152cm)

Muck  
Muck

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1103A - Houghton muck, undrained, 0 to 2 percent slopes

#### Component: Houghton (91%)

The Houghton, undrained component makes up 91 percent of the map unit. Slopes are 0 to 2 percent. This component is on ground moraines. The parent material consists of herbaceous organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 85 percent. This component is in the R110XY0211L Ponded Organic Acidic Peatland, Ponded Organic Alkaline Peatland ecological site. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

#### Component: Pella (3%)

Generated brief soil descriptions are created for major soil components. The Pella, undrained soil is a minor component.

#### Component: Drummer (3%)

Generated brief soil descriptions are created for major soil components. The Drummer, undrained soil is a minor component.

#### Component: Lena (3%)

Generated brief soil descriptions are created for major soil components. The Lena, undrained soil is a minor component.

---

### Map Unit 1107A (3.22%)

Map Unit Name:	Sawmill silty clay loam, undrained, cool, 0 to 2 percent slopes, frequently flooded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.
Major components are printed below	
Sawmill(95%)	
horizon A(0cm to 75cm)	Silty clay loam
horizon Bg(75cm to 130cm)	Silty clay loam
horizon Cg(130cm to 165cm)	Silty clay loam

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1107A - Sawmill silty clay loam, undrained, cool, 0 to 2 percent slopes, frequently flooded

#### Component: Sawmill (95%)

The Sawmill, frequently flooded, undrained, cool component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on till plains. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

#### Component: Millington (4%)

Generated brief soil descriptions are created for major soil components. The Millington, frequently flooded, undrained soil is a minor component.



## Soil Information

Component: Houghton (1%)

Generated brief soil descriptions are created for major soil components. The Houghton, undrained soil is a minor component.

### Map Unit 149A (0.25%)

Map Unit Name: Brenton silt loam, 0 to 2 percent slopes  
Bedrock Depth - Min:  
Watertable Depth - Annual Min: 46cm  
Drainage Class - Dominant: Somewhat poorly drained  
Hydrologic Group - Dominant: B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Brenton(97%)

horizon Ap(0cm to 36cm)	Silt loam
horizon Bt1(36cm to 84cm)	Silty clay loam
horizon 2Bt2(84cm to 137cm)	Loam
horizon 2Cg(137cm to 200cm)	Stratified silt loam to loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 149A - Brenton silt loam, 0 to 2 percent slopes

Component: Brenton (97%)

The Brenton component makes up 97 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains on plains. The parent material consists of loess over stratified loamy outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R111DY020IN Outwash Prairie, Wet Outwash Mollisol ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Drummer (3%)

Generated brief soil descriptions are created for major soil components. The Drummer, drained soil is a minor component.

### Map Unit 152A (1.2%)

Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes  
Bedrock Depth - Min:  
Watertable Depth - Annual Min: 15cm  
Drainage Class - Dominant: Poorly drained  
Hydrologic Group - Dominant: B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Drummer(94%)

horizon Ap(0cm to 36cm)	Silty clay loam
horizon Btg(36cm to 104cm)	Silty clay loam
horizon 2Btg(104cm to 119cm)	Loam
horizon 2Cg(119cm to 152cm)	Stratified sandy loam to clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 152A - Drummer silty clay loam, 0 to 2 percent slopes

## Soil Information

### Component: Drummer (94%)

The Drummer, drained component makes up 94 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains on plains. The parent material consists of loess over stratified loamy outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 6 percent. This component is in the R111DY020IN Ponded Depressional Sedge Meadow, Wet Outwash Mollisol, Wet Outwash Prairie ecological site. Nonirrigated land capability classification is 2w. This soil meets hydric criteria.

### Component: Peotone (3%)

Generated brief soil descriptions are created for major soil components. The Peotone, drained soil is a minor component.

### Component: Harpster (3%)

Generated brief soil descriptions are created for major soil components. The Harpster, drained soil is a minor component.

---

### Map Unit 1903A (0.43%)

Map Unit Name:	Muskego and Houghton mucks, undrained, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	7cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

#### Muskego(50%)

horizon O1(0cm to 13cm)	Muck
horizon O2(13cm to 69cm)	Muck
horizon L3(69cm to 152cm)	Coprogenous silt loam

#### Houghton(45%)

horizon O1(0cm to 48cm)	Muck
horizon O2(48cm to 152cm)	Muck

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1903A - Muskego and Houghton mucks, undrained, 0 to 2 percent slopes

### Component: Muskego (50%)

The Muskego component makes up 50 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions. The parent material consists of herbaceous organic material over coprogenic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 75 percent. This component is in the R110XY024IL Ponded Depressional Sedge Meadow, Ponded Organic Acidic Peatland, Ponded Organic Alkaline Peatland ecological site. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 30 percent.

### Component: Houghton (45%)

The Houghton component makes up 45 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions. The parent material consists of herbaceous organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 85 percent. This component is in the R110XY024IL Ponded Depressional Sedge Meadow, Ponded Organic Acidic Peatland, Ponded Organic Alkaline Peatland ecological site. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

### Component: Drummer (5%)

Generated brief soil descriptions are created for major soil components. The Drummer soil is a minor component.

## Soil Information

### Map Unit 206A (0.35%)

Map Unit Name:	Thorp silt loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Thorp(95%)

horizon Ap(0cm to 36cm)	Silt loam
horizon Eg(36cm to 48cm)	Silt loam
horizon Btg(48cm to 109cm)	Silty clay loam
horizon 2Btg(109cm to 127cm)	Sandy clay loam
horizon 2Cg(127cm to 200cm)	Stratified loamy sand to loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 206A - Thorp silt loam, 0 to 2 percent slopes

Component: Thorp (95%)

The Thorp component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains. The parent material consists of Loess and in the underlying outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 5 percent. This component is in the R110XY024IL Ponded Depressional Sedge Meadow, Wet Outwash Prairie ecological site. Nonirrigated land capability classification is 2w. This soil meets hydric criteria.

### Map Unit 223B (1.09%)

Map Unit Name:	Varna silt loam, 2 to 4 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	84cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Varna(90%)

horizon Ap(0cm to 30cm)	Silt loam
horizon 2Bt1(30cm to 76cm)	Silty clay loam
horizon 2Bt2(76cm to 122cm)	Silty clay loam
horizon 2Cd(122cm to 152cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 223B - Varna silt loam, 2 to 4 percent slopes

Component: Varna (90%)

The Varna component makes up 90 percent of the map unit. Slopes are 2 to 4 percent. This component is on ground moraines on till plains. The parent material consists of loess over silty clay loam or clay loam till. Depth to a root restrictive layer, densic material, is 24 to 55 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low.

## Soil Information

Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches during February, March, April. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY0071L Loess Upland Prairie, Moist Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 5 percent.

Component: Ashkum (4%)

Generated brief soil descriptions are created for major soil components. The Ashkum, drained soil is a minor component.

Component: Orthents, clayey (3%)

Generated brief soil descriptions are created for major soil components. The Orthents, clayey soil is a minor component.

Component: Urban land (3%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

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### Map Unit 290C2 (0.19%)

Map Unit Name:	Warsaw silt loam, 4 to 6 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Warsaw(92%)	
horizon H1(0cm to 20cm)	Silt loam
horizon H2(20cm to 41cm)	Silty clay loam
horizon H3(41cm to 69cm)	Gravelly clay loam
horizon H4(69cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 290C2 - Warsaw silt loam, 4 to 6 percent slopes, eroded

Component: Will (%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

Component: Warsaw (92%)

The Warsaw component makes up 92 percent of the map unit. Slopes are 4 to 6 percent. This component is on outwash plains. The parent material consists of Thin mantle of loess or other silty material and in the underlying loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer, strongly contrasting textural stratification, is 24 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY0061L Dry Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 20 percent.

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### Map Unit 3076A (0.96%)

Map Unit Name:	Otter silt loam, 0 to 2 percent slopes, frequently flooded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

## Soil Information

### Otter(90%)

horizon H1(0cm to 69cm)	Silt loam
horizon H2(69cm to 104cm)	Silt loam
horizon H3(104cm to 165cm)	Silt loam

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 3076A - Otter silt loam, 0 to 2 percent slopes, frequently flooded

#### Component: Houghton (%)

Generated brief soil descriptions are created for major soil components. The Houghton soil is a minor component.

#### Component: Millington (%)

Generated brief soil descriptions are created for major soil components. The Millington soil is a minor component.

#### Component: Otter (90%)

The Otter component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 5 percent. This component is in the R108AY018IL Ponded Floodplain Marsh ecological site. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

### Map Unit 318B (0.81%)

Map Unit Name: Lorenzo loam, 2 to 4 percent slopes

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

### Lorenzo(90%)

horizon H1(0cm to 20cm)	Loam
horizon H2(20cm to 46cm)	Gravelly sandy clay loam
horizon H3(46cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 318B - Lorenzo loam, 2 to 4 percent slopes

#### Component: Lorenzo (90%)

The Lorenzo component makes up 90 percent of the map unit. Slopes are 2 to 4 percent. This component is on outwash plains. The parent material consists of loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY006IL Dry Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

#### Component: Kane (4%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

#### Component: Rodman (3%)

Generated brief soil descriptions are created for major soil components. The Rodman soil is a minor component.

## Soil Information

Component: Will (3%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

### Map Unit 318C2 (5.06%)

Map Unit Name: Lorenzo loam, 4 to 6 percent slopes, eroded

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Lorenzo(92%)

horizon H1(0cm to 18cm)	Loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 318C2 - Lorenzo loam, 4 to 6 percent slopes, eroded

Component: Lorenzo (92%)

The Lorenzo, eroded component makes up 92 percent of the map unit. Slopes are 4 to 6 percent. This component is on stream terraces. The parent material consists of loamy outwash over calcareous sand and gravel. Depth to a root restrictive layer, strongly contrasting textural stratification, is 12 to 24 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY006IL Dry Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

Component: Kane (6%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

### Map Unit 318D2 (0.82%)

Map Unit Name: Lorenzo loam, 6 to 12 percent slopes, eroded

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Lorenzo(92%)

horizon H1(0cm to 20cm)	Loam
horizon H2(20cm to 46cm)	Clay loam
horizon H3(46cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 318D2 - Lorenzo loam, 6 to 12 percent slopes, eroded

## Soil Information

### Component: Lorenzo (92%)

The Lorenzo, eroded component makes up 92 percent of the map unit. Slopes are 6 to 12 percent. This component is on outwash plains. The parent material consists of loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer, strongly contrasting textural stratification, is 12 to 24 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY0061L Dry Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

### Component: Kane (6%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

### Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

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### Map Unit 323D2 (2.62%)

Map Unit Name:	Casco loam, 6 to 12 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Casco(85%)	
horizon Ap(0cm to 13cm)	Loam
horizon Bt(13cm to 43cm)	Clay loam
horizon 2C(43cm to 200cm)	Stratified sand to gravel

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 323D2 - Casco loam, 6 to 12 percent slopes, eroded

### Component: Casco (85%)

The Casco, eroded component makes up 85 percent of the map unit. Slopes are 6 to 12 percent. This component is on moraines on hills. The parent material consists of loamy alluvium over calcareous, stratified sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 13 percent. There are no saline horizons within 30 inches of the soil surface.

### Component: Fox (8%)

Generated brief soil descriptions are created for major soil components. The Fox soil is a minor component.

### Component: Rodman (7%)

Generated brief soil descriptions are created for major soil components. The Rodman soil is a minor component.

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### Map Unit 325A (1.68%)

Map Unit Name:	Dresden silt loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained



## Soil Information

Hydrologic Group - Dominant:

B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Dresden(85%)

horizon Ap(0cm to 23cm)

Silt loam

horizon Bt(23cm to 74cm)

Clay loam

horizon 2Bt(74cm to 84cm)

Sandy clay loam

horizon 2C(84cm to 200cm)

Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 325A - Dresden silt loam, 0 to 2 percent slopes

Component: Dresden (85%)

The Dresden component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on plains on outwash plains. The parent material consists of loess and/or loamy outwash over calcareous sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 32 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY009IL Dry Glacial Drift Upland Savanna, Outwash Savanna ecological site. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 10 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Kane (6%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

Component: Will (5%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

Component: Dunham (4%)

Generated brief soil descriptions are created for major soil components. The Dunham soil is a minor component.

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### Map Unit 325B (10.7%)

Map Unit Name:

Dresden silt loam, 2 to 4 percent slopes

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant:

Well drained

Hydrologic Group - Dominant:

B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Dresden(90%)

horizon Ap(0cm to 18cm)

Silt loam

horizon Bt1(18cm to 48cm)

Silty clay loam

horizon 2Bt2(48cm to 81cm)

Sandy clay loam

horizon 3C(81cm to 200cm)

Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 325B - Dresden silt loam, 2 to 4 percent slopes

Component: Dresden (90%)

The Dresden component makes up 90 percent of the map unit. Slopes are 2 to 4 percent. This component is on plains on outwash plains. The parent material consists of loess and/or loamy glaciofluvial deposits over calcareous sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 30 to 40 inches. The natural drainage class is well drained. Water

## Soil Information

movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY009IL Dry Glacial Drift Upland Savanna, Outwash Savanna ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Kane (6%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

Component: Will (4%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

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### Map Unit 325C2 (2.48%)

Map Unit Name:	Dresden silt loam, 4 to 6 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Dresden(90%)	
horizon Ap(0cm to 18cm)	Silt loam
horizon Bt1(18cm to 45cm)	Silty clay loam
horizon 2Bt2(45cm to 79cm)	Sandy clay loam
horizon 3C(79cm to 200cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 325C2 - Dresden silt loam, 4 to 6 percent slopes, eroded

Component: Dresden (90%)

The Dresden, eroded component makes up 90 percent of the map unit. Slopes are 4 to 6 percent. This component is on plains on outwash plains. The parent material consists of loess and/or loamy glaciofluvial deposits over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 30 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY009IL Dry Glacial Drift Upland Savanna, Outwash Savanna ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Kane (6%)

Generated brief soil descriptions are created for major soil components. The Kane soil is a minor component.

Component: Will (4%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

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### Map Unit 329A (2.31%)

Map Unit Name:	Will loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

## Soil Information

Major components are printed below

Will(90%)

horizon H1(0cm to 36cm)	Loam
horizon H2(36cm to 64cm)	Loam
horizon H3(64cm to 71cm)	Sandy loam
horizon H4(71cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 329A - Will loam, 0 to 2 percent slopes

Component: Hooppole (%)

Generated brief soil descriptions are created for major soil components. The Hooppole soil is a minor component.

Component: Adrian (%)

Generated brief soil descriptions are created for major soil components. The Adrian soil is a minor component.

Component: Will (90%)

The Will component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains. The parent material consists of loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer, strongly contrasting textural stratification, is 20 to 40 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 5 percent. This component is in the R110XY008IL Wet Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 25 percent.

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### Map Unit 343A (0.15%)

Map Unit Name:	Kane silt loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Kane(92%)

horizon H1(0cm to 28cm)	Silt loam
horizon H2(28cm to 66cm)	Silty clay loam
horizon H3(66cm to 86cm)	Clay loam
horizon H4(86cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 343A - Kane silt loam, 0 to 2 percent slopes

Component: Kane (92%)

The Kane component makes up 92 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains. The parent material consists of Thin mantle of loess or other silty material and in the underlying loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer, strongly contrasting textural stratification, is 20 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R110XY007IL Moist Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

## Soil Information

### Component: Will (4%)

Generated brief soil descriptions are created for major soil components. The Will soil is a minor component.

### Component: Orthents, loamy (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, loamy soil is a minor component.

### Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

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### Map Unit 369B (6.61%)

Map Unit Name:	Waupecan silt loam, 2 to 4 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Waupecan(92%)	
horizon H1(0cm to 28cm)	Silt loam
horizon H2(28cm to 99cm)	Silty clay loam
horizon H3(99cm to 114cm)	Gravelly loam
horizon H4(114cm to 152cm)	Stratified gravelly loamy sand to extremely gravelly coarse sand

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 369B - Waupecan silt loam, 2 to 4 percent slopes

### Component: Waupecan (92%)

The Waupecan component makes up 92 percent of the map unit. Slopes are 2 to 4 percent. This component is on outwash plains. The parent material consists of Loess or other silty material and in the underlying loamy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 40 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. This component is in the R110XY006IL Dry Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 5 percent.

### Component: Grundelein (4%)

Generated brief soil descriptions are created for major soil components. The Grundelein soil is a minor component.

### Component: Orthents, loamy (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, loamy soil is a minor component.

### Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

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### Map Unit 523A (4.72%)

Map Unit Name:	Dunham silty clay loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.
Major components are printed below	

## Soil Information

### Dunham(92%)

horizon H1(0cm to 28cm)	Silty clay loam
horizon H2(28cm to 79cm)	Silty clay loam
horizon H3(79cm to 107cm)	Clay loam
horizon H4(107cm to 152cm)	Stratified gravelly sandy loam to extremely gravelly coarse sand

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 523A - Dunham silty clay loam, 0 to 2 percent slopes

#### Component: Dunham (92%)

The Dunham component makes up 92 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains. The parent material consists of Loess or other silty material and in the underlying loamy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 40 to 55 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 5 percent. This component is in the R110XY008IL Wet Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 2w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 10 percent.

#### Component: Millsdale (2%)

Generated brief soil descriptions are created for major soil components. The Millsdale soil is a minor component.

#### Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

#### Component: Orthents, loamy (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, loamy soil is a minor component.

#### Component: Houghton (2%)

Generated brief soil descriptions are created for major soil components. The Houghton soil is a minor component.

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### Map Unit 526A (2.49%)

Map Unit Name:	Grundelein silt loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

### Grundelein(90%)

horizon H1(0cm to 28cm)	Silt loam
horizon H2(28cm to 84cm)	Silty clay loam
horizon H3(84cm to 99cm)	Clay loam
horizon H4(99cm to 152cm)	Stratified gravelly sandy loam to extremely gravelly coarse sand

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 526A - Grundelein silt loam, 0 to 2 percent slopes

#### Component: Dunham (%)

Generated brief soil descriptions are created for major soil components. The Dunham soil is a minor component.

#### Component: Grundelein (90%)

The Grundelein component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash plains, stream terraces. The parent material consists of loess or other silty material and in the underlying loamy and gravelly outwash. Depth

## Soil Information

to a root restrictive layer, strongly contrasting textural stratification, is 40 to 50 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May. Organic matter content in the surface horizon is about 5 percent. This component is in the R110XY0071L Moist Glacial Drift Upland Prairie ecological site. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

### Map Unit 531B (3.25%)

Map Unit Name:	Markham silt loam, 2 to 4 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	76cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Markham(90%)	
horizon Ap(0cm to 20cm)	Silt loam
horizon 2Bt1(20cm to 53cm)	Silty clay loam
horizon 2Bt2(53cm to 81cm)	Silty clay loam
horizon 2Cd(81cm to 152cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 531B - Markham silt loam, 2 to 4 percent slopes

Component: Markham (90%)

The Markham component makes up 90 percent of the map unit. Slopes are 2 to 4 percent. This component is on ground moraines on till plains. The parent material consists of loess over silty clay loam till. Depth to a root restrictive layer, densic material, is 20 to 55 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during February, March, April. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY0101L Moist Glacial Drift Upland Savanna ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 18 percent.

Component: Ashkum (6%)

Generated brief soil descriptions are created for major soil components. The Ashkum, drained soil is a minor component.

Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

Component: Orthents, clayey (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, clayey soil is a minor component.

### Map Unit 531C2 (1.72%)

Map Unit Name:	Markham silt loam, 4 to 6 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	71cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Markham(90%)	
horizon Ap(0cm to 20cm)	Silt loam

## Soil Information

horizon 2Bt1(20cm to 53cm)	Silty clay loam
horizon 2Bt2(53cm to 81cm)	Silty clay loam
horizon 2Cd(81cm to 152cm)	Silty clay loam

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 531C2 - Markham silt loam, 4 to 6 percent slopes, eroded

#### Component: Markham (90%)

The Markham, eroded component makes up 90 percent of the map unit. Slopes are 4 to 6 percent. This component is on ground moraines on till plains. The parent material consists of loess over silty clay loam till. Depth to a root restrictive layer, densic material, is 20 to 55 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 28 inches during February, March, April. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY010IL Moist Glacial Drift Upland Savanna ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 18 percent.

#### Component: Ashkum (6%)

Generated brief soil descriptions are created for major soil components. The Ashkum, drained soil is a minor component.

#### Component: Orthents, clayey (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, clayey soil is a minor component.

#### Component: Urban land (2%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

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### Map Unit 662B (3.13%)

Map Unit Name:	Barony silt loam, 2 to 5 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	84cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Barony(92%)	
horizon H1(0cm to 20cm)	Silt loam
horizon H2(20cm to 86cm)	Silty clay loam
horizon H3(86cm to 137cm)	Clay loam
horizon H4(137cm to 216cm)	Stratified sand to clay loam

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 662B - Barony silt loam, 2 to 5 percent slopes

#### Component: Drummer (%)

Generated brief soil descriptions are created for major soil components. The Drummer soil is a minor component.

#### Component: Barony (92%)

The Barony component makes up 92 percent of the map unit. Slopes are 2 to 5 percent. This component is on outwash plains. The parent material consists of Loess or other silty material and in the underlying outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches during February, March, April. Organic matter content in the surface horizon is about 3 percent. This component is in the R108AY014IL Outwash Savanna ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.



## Soil Information

### Map Unit 802B (36.05%)

Map Unit Name:	Orthents, loamy, 1 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	130cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Orthents(90%)	
horizon ^A(0cm to 15cm)	Loam
horizon ^C(15cm to 200cm)	Clay loam

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 802B - Orthents, loamy, undulating

#### Component: Orthents (90%)

The Orthents, loamy, undulating component makes up 90 percent of the map unit. Slopes are 1 to 6 percent. This component is on leveled land on outwash plains. The parent material consists of Earthy fill. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 51 inches during February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

#### Component: Urban land (3%)

Generated brief soil descriptions are created for major soil components. The Urban land soil is a minor component.

#### Component: Orthents, clayey (3%)

Generated brief soil descriptions are created for major soil components. The Orthents, clayey soil is a minor component.

#### Component: Orthents (2%)

Generated brief soil descriptions are created for major soil components. The Orthents, loamy-skeletal, undulating soil is a minor component.

#### Component: Pella (1%)

Generated brief soil descriptions are created for major soil components. The Pella soil is a minor component.

#### Component: Drummer (1%)

Generated brief soil descriptions are created for major soil components. The Drummer soil is a minor component.

### Map Unit 969E2 (2.26%)

Map Unit Name:	Casco-Rodman complex, 12 to 20 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Casco(53%)	
horizon Ap(0cm to 13cm)	Loam
horizon Bt(13cm to 43cm)	Clay loam
horizon 2C(43cm to 200cm)	Stratified sand to gravel

## Soil Information

### Rodman(37%)

horizon Ap(0cm to 11cm)  
horizon Bw(11cm to 25cm)  
horizon C(25cm to 200cm)

Gravelly sandy loam  
Gravelly sandy loam  
Stratified sand to gravel

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 969E2 - Casco-Rodman complex, 12 to 20 percent slopes, eroded

### Component: Casco (53%)

The Casco, eroded component makes up 53 percent of the map unit. Slopes are 12 to 20 percent. This component is on moraines on hills. The parent material consists of loamy alluvium over calcareous, stratified sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 13 percent. There are no saline horizons within 30 inches of the soil surface.

### Component: Rodman (37%)

The Rodman, eroded component makes up 37 percent of the map unit. Slopes are 12 to 20 percent. This component is on moraines on hills. The parent material consists of sandy and gravelly outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R110XY018IL Outwash Prairie, Steep Gravel Prairie ecological site. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent. There are no saline horizons within 30 inches of the soil surface.

### Component: Fox (10%)

Generated brief soil descriptions are created for major soil components. The Fox soil is a minor component.

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### Map Unit W (0.78%)

Map Unit Name:

Water

No more attributes available for this map unit

### Component Description:

Minor map unit components are excluded from this report.

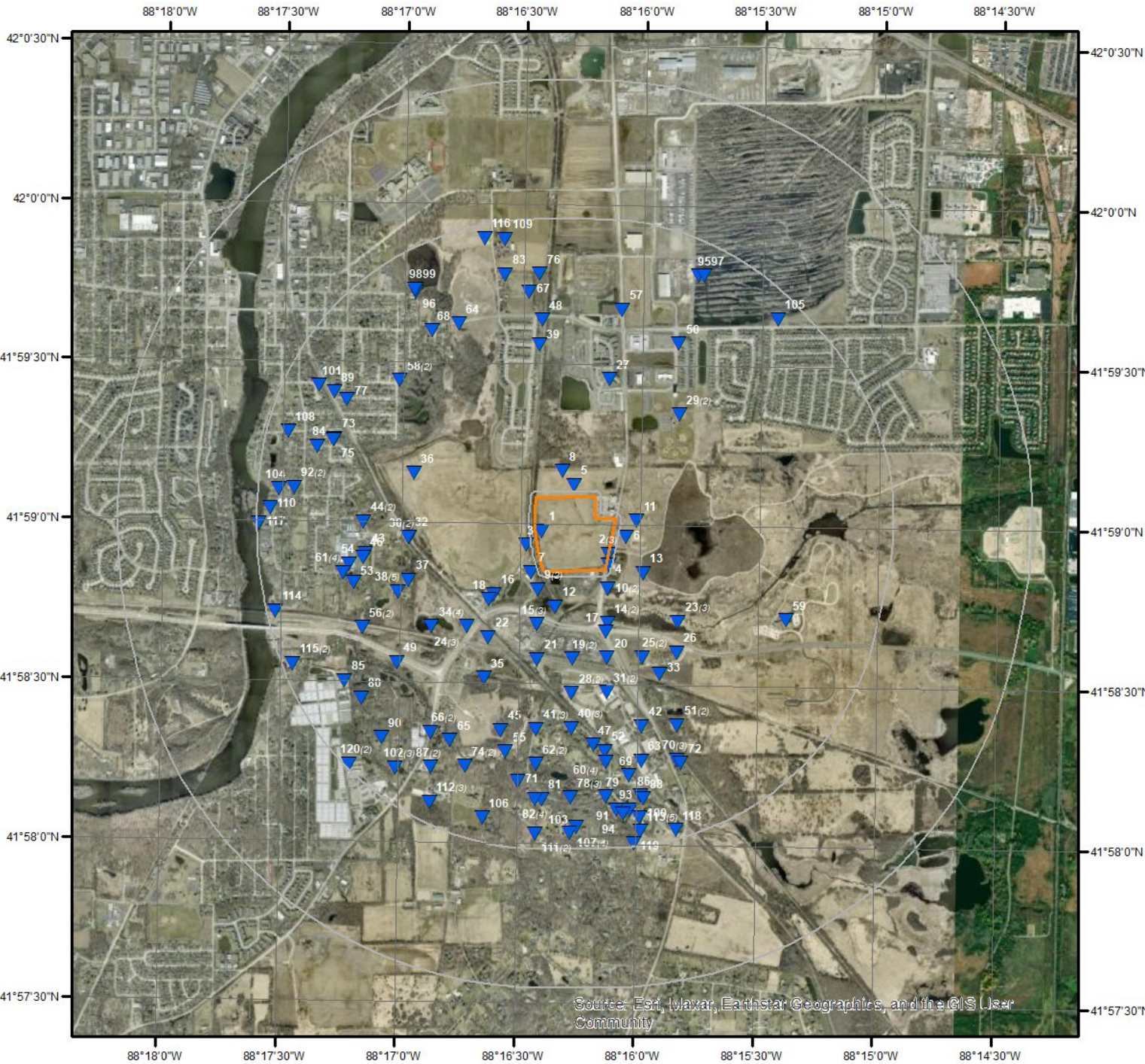
Map Unit: W - Water

### Component: Water (100%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.



# Wells and Additional Sources



## Wells & Additional Sources



- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



## Wells and Additional Sources Summary

### Federal Sources

#### Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
4	IL3066571	43.87	SE
17	IL0066571	1179.18	SSE
61	IL3066464	3706.53	W
61	IL0066464	3706.53	W
108	IL3118893	4871.70	WNW

#### Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
61	IL3066464	3706.53	W
61	IL0066464	3706.53	W

#### USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
30	USGS-415857088165803	2399.29	W
30	USGS-415857088165802	2399.29	W
32	USGS-415857088165801	2419.23	W
55	USGS-05551029	3521.91	SSW
65	USGS-05551030	3688.61	SSW
75	USGS-415915088171701	3990.85	WNW
89	USGS-415924088171701	4314.51	WNW
96	USGS-415943088165701	4513.00	NNW

#### Wells from NWIS

Map Key	ID	Distance (ft)	Direction
No records found			

### State Sources

#### Oil and Gas Wells and Borings

Map Key	API No	Distance (ft)	Direction
10	120893233200	361.94	SSE
14	120893233300	1016.79	SSE
15	120893232200	1034.87	SSW
19	120893232300	1681.22	S
23	120893233400	1706.11	SE
24	120893232100	1799.07	SW
25	120893233500	1806.55	SSE
28	120893232700	2340.86	S
31	120893232900	2330.76	SSE
34	120893231800	2378.23	WSW
34	120893232000	2378.23	WSW
38	120893231700	2779.47	WSW

## Wells and Additional Sources Summary

38	120893231600	2779.47	WSW
40	120893232800	3001.58	S
41	120893232400	3018.80	S
51	120893233600	3252.72	SSE
56	120893231900	3613.78	WSW
60	120893233000	3651.08	S
70	120893233100	3858.29	SSE
74	120893232500	4006.67	SSW
82	120893232600	4345.41	S
102	120893233900	4695.16	SW
120	120893075500	5216.48	SW

### Public Water Supply Facilities

Map Key	ID	Distance (ft)	Direction
No records found			

### Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
No records found			

### Water Wells

Map Key	API No	Distance (ft)	Direction
1	120892720600	0.00	-
2	120893463400	4.71	ESE
2	120892788200	4.71	ESE
2	120892901700	4.71	ESE
3	120892769500	197.13	WSW
5	120893183400	212.94	N
6	120892901900	270.65	E
7	120893666800	241.53	SW
8	120892741300	474.37	N
9	120893084000	383.03	SSW
9	120893063000	383.03	SSW
10	120893233200	361.94	SSE
11	120893713600	406.20	E
12	120893062900	693.02	SSW
13	120890079000	722.50	ESE
14	120893233300	1016.79	SSE
15	120893273800	1034.87	SSW
15	120893232200	1034.87	SSW
16	120890078900	1051.13	SW
18	120892901800	1186.83	SW
19	120893232300	1681.22	S
20	120893296600	1673.56	SSE
21	120890112600	1695.07	SSW
22	120890017900	1652.25	SW
23	120893233400	1706.11	SE
23	120893243100	1706.11	SE
24	120893232100	1799.07	SW
24	120893685200	1799.07	SW
25	120893233500	1806.55	SSE
26	120892902000	2082.08	SE
27	120893530500	2230.18	NNE
28	120893232700	2340.86	S
29	120893135100	2223.10	NE
29	120893530400	2223.10	NE
31	120893232900	2330.76	SSE



## Wells and Additional Sources Summary

33	120890124000	2237.79	SSE
34	120893232000	2378.23	WSW
34	120893231800	2378.23	WSW
35	120893446200	2340.06	SSW
36	120892662100	2365.86	WNW
37	120893639800	2516.53	WSW
38	120893231700	2779.47	WSW
38	120892780300	2779.47	WSW
38	120893231600	2779.47	WSW
39	120893336000	2888.07	N
40	120893232800	3001.58	S
40	120893103400	3001.58	S
41	120893360000	3018.80	S
41	120893232400	3018.80	S
42	120892935000	3051.86	SSE
43	120892332500	3256.07	W
44	120893395300	3255.45	W
44	120890127500	3255.45	W
45	120890028100	3141.57	SSW
46	120893103500	3302.07	W
47	120890231400	3322.63	S
48	120892230500	3357.26	N
49	120893502000	3297.58	SW
50	120893139200	3297.65	NNE
51	120893233600	3252.72	SSE
52	120893681000	3442.86	S
53	120893730300	3550.13	WSW
54	120890167200	3583.75	W
56	120893231900	3613.78	WSW
57	120892401100	3576.72	NNE
58	120893347500	3403.85	NW
58	120893466400	3403.85	NW
59	120430115500	3568.71	ESE
60	120892973100	3651.08	S
60	120893018800	3651.08	S
60	120893233000	3651.08	S
62	120892798800	3681.85	S
62	120893293700	3681.85	S
63	120893163200	3695.54	SSE
64	120892953000	3594.19	NNW
66	120893463300	3751.10	SW
66	120893463200	3751.10	SW
67	120892401200	3890.87	N
68	120892245000	3720.96	NW
69	120892731000	3936.36	SSE
70	120890098400	3858.29	SSE
70	120893233100	3858.29	SSE
71	120892917200	4038.97	SSW
72	120890044100	3950.21	SSE
73	120892772600	3981.43	WNW
74	120893232500	4006.67	SSW
76	120890133300	4224.35	N
77	120890025000	4041.16	WNW
78	120893047500	4327.36	S
78	120893073100	4327.36	S
78	120893018700	4327.36	S
79	120893395500	4315.42	S
80	120893228500	4226.19	SW
81	120892917800	4346.00	S
82	120893266700	4345.41	S
82	120893019000	4345.41	S
82	120893232600	4345.41	S
83	120893606500	4262.66	NNW
84	120892681800	4264.31	WNW
85	120892832000	4327.35	WSW
86	120893351900	4349.98	SSE

## Wells and Additional Sources Summary

87	120893148700	4317.23	SSW
87	120893707400	4317.23	SSW
88	120892917400	4410.49	SSE
90	120892902300	4427.79	SW
91	120892917300	4571.14	S
92	120893273900	4597.23	W
92	120893603600	4597.23	W
93	120892917500	4583.50	SSE
94	120892917600	4650.70	S
95	120314987900	4623.92	NNE
97	120314987600	4664.79	NNE
98	120893599700	4556.47	NNW
99	120893599600	4566.20	NNW
100	120893648000	4753.78	SSE
101	120890023100	4628.54	WNW
102	120893233900	4695.16	SW
102	120893142600	4695.16	SW
103	120892652000	4877.86	S
104	120892902100	4889.43	W
105	120314987200	4827.26	NE
106	120892917700	4846.07	SSW
107	120892819800	4992.05	S
107	120893385000	4992.05	S
107	120893439800	4992.05	S
107	120892819700	4992.05	S
109	120893339300	4924.61	NNW
110	120892728500	5027.28	W
111	120893607900	5007.90	S
111	120893073000	5007.90	S
112	120893204600	4906.02	SSW
112	120893244000	4906.02	SSW
112	120893274400	4906.02	SSW
113	120893393900	5007.21	SSE
113	120893347000	5007.21	SSE
113	120893501900	5007.21	SSE
113	120893323900	5007.21	SSE
113	120893448500	5007.21	SSE
114	120893727300	5112.48	WSW
115	120893527200	5089.27	WSW
115	120893616500	5089.27	WSW
116	120893719000	5010.65	NNW
117	120893134400	5239.77	W
118	120893527900	5122.34	SSE
119	120893721000	5234.02	SSE
120	120893075500	5216.48	SW



## Wells and Additional Sources Detail Report

### Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SE	0.01	43.87	759.87	PWSV

Address Line 2:

State Code:

IL

Zip Code:

60120

City Name:

ELGIN

Address Line 1:

7N657 ROUTE 25

PWS ID:

IL3066571

PWS Type Code:

TNCWS

PWS Type Description:

Transient Non-Community Water System

Primary Source Code:

GW

Primary Source Desc:

Groundwater

PWS Activity Code:

A

PWS Activity Description:

Active

PWS Deactivation Date:

Phone Number:

847-363-1325

--Details--

Population Served Count:

160

City Served:

County Served:

Kane

State Served:

IL

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SSE	0.22	1,179.18	745.34	PWSV

Address Line 2:

RT 25 & DUNHAM ROAD

State Code:

IL

Zip Code:

60177

City Name:

ST CHARLES

Address Line 1:

PWS ID:

IL0066571

PWS Type Code:

TNCWS

PWS Type Description:

Transient Non-Community Water System

Primary Source Code:

GW

Primary Source Desc:

Groundwater

PWS Activity Code:

I

PWS Activity Description:

Inactive

PWS Deactivation Date:

01/08/1980

Phone Number:

## Wells and Additional Sources Detail Report

--Details--

Population Served Count: 200

City Served:

County Served:

State Served: IL

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	W	0.70	3,706.53	714.07	PWSV

Address Line 2: 540 SOUTH DRIVE

State Code: IL

Zip Code: 60177

City Name: SOUTH ELGIN

Address Line 1:

PWS ID: IL3066464

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 01/03/1992

Phone Number:

--Details--

Population Served Count: 25

City Served:

County Served:

State Served: IL

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	W	0.70	3,706.53	714.07	PWSV

Address Line 2: 540 SOUTH DRIVE

State Code: IL

Zip Code: 60177

City Name: SOUTH ELGIN

Address Line 1:

PWS ID: IL0066464

PWS Type Code: TNCWS

PWS Type Description: Transient Non-Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

## Wells and Additional Sources Detail Report

PWS Activity Description: Inactive  
PWS Deactivation Date: 01/08/1980  
Phone Number:

--Details--

Population Served Count: 25  
City Served:  
County Served:  
State Served: IL  
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	WNW	0.92	4,871.70	700.99	PWSV

Address Line 2: 220 SPRING  
State Code: IL  
Zip Code: 60120  
City Name: ELGIN  
Address Line 1:  
PWS ID: IL3118893  
PWS Type Code: NTNCWS  
PWS Type Description: Non-Transient Non-Community Water System  
Primary Source Code: GW  
Primary Source Desc: Groundwater  
PWS Activity Code: I  
PWS Activity Description: Inactive  
PWS Deactivation Date: 01/12/1989  
Phone Number:

--Details--

Population Served Count: 100  
City Served:  
County Served:  
State Served: IL  
Zip Code Served:

### Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	W	0.70	3,706.53	714.07	SDWIS

PWS ID: IL3066464  
PWS Type: Transient non-community system  
No of Facilities: 3  
No of Violations: 0  
No of Site Visits: 0  
Cities Served: -

## Wells and Additional Sources Detail Report

Counties Served: Kane  
Population Served Count: 25  
Primacy Agency: Illinois  
EPA Region: Region 5

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	W	0.70	3,706.53	714.07	SDWIS

PWS ID: IL0066464  
PWS Type: Transient non-community system  
No of Facilities: 3  
No of Violations: 0  
No of Site Visits: 0  
Cities Served: -  
Counties Served: Kane  
Population Served Count: 25  
Primacy Agency: Illinois  
EPA Region: Region 5

### USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	W	0.45	2,399.29	733.45	FED USGS

Site No: USGS-415857088165803  
Site Type: Well  
Formation Type: Ordovician-Cambrian Systems  
Date Drilled:  
Well Depth: 1955  
Well Depth Unit: ft  
Well Hole Depth:  
Well Hole Depth Unit:  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: 40N8E-2c  
Latitude: 41.98250000000000  
Longitude: -88.28277780000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	W	0.45	2,399.29	733.45	FED USGS

Site No: USGS-415857088165802  
Site Type: Well  
Formation Type: Ordovician-Cambrian Systems  
Date Drilled:  
Well Depth: 1980  
Well Depth Unit: ft

## Wells and Additional Sources Detail Report

Well Hole Depth:  
Well Hole Depth Unit:  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: 40N8E-2b  
Latitude: 41.98250000000000  
Longitude: -88.2827778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	W	0.46	2,419.23	732.13	FED USGS

Site No: USGS-415857088165801  
Site Type: Well  
Formation Type: Quaternary System  
Date Drilled:  
Well Depth: 170  
Well Depth Unit: ft  
Well Hole Depth:  
Well Hole Depth Unit:  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: 40N8E-2a  
Latitude: 41.98252720000000  
Longitude: -88.2828547000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	SSW	0.67	3,521.91	718.96	FED USGS

Site No: USGS-05551029  
Site Type: Stream  
Formation Type:  
Date Drilled:  
Well Depth:  
Well Depth Unit:  
Well Hole Depth:  
Well Hole Depth Unit:  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: BREWSTER CREEK NEAR VALLEY VIEW, IL  
Latitude: 41.97138889000000  
Longitude: -88.2758333000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SSW	0.70	3,688.61	716.85	FED USGS

Site No: USGS-05551030  
Site Type: Stream  
Formation Type:

## Wells and Additional Sources Detail Report

Date Drilled:  
Well Depth:  
Well Depth Unit:  
Well Hole Depth:  
Well Hole Depth Unit:  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: BREWSTER CREEK AT VALLEY VIEW, IL  
Latitude: 41.97194444000000  
Longitude: -88.2797222000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	WNW	0.76	3,990.85	729.74	FED USGS

Site No: USGS-415915088171701  
Site Type: Well  
Formation Type: Quaternary System  
Date Drilled: 19870810  
Well Depth: 111.25  
Well Depth Unit: ft  
Well Hole Depth: 115  
Well Hole Depth Unit: ft  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: 41N 8E-35.3c2  
Latitude: 41.98752716000000  
Longitude: -88.2881327000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	WNW	0.82	4,314.51	732.47	FED USGS

Site No: USGS-415924088171701  
Site Type: Well  
Formation Type: Quaternary System  
Date Drilled: 196204  
Well Depth: 112  
Well Depth Unit: ft  
Well Hole Depth: 112  
Well Hole Depth Unit: ft  
Reporting Agency: USGS Illinois Water Science Center  
Station Name: 41N 8E-35.3c1  
Latitude: 41.99002710000000  
Longitude: -88.2881328000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	NNW	0.85	4,513.00	739.26	FED USGS

## Wells and Additional Sources Detail Report

Site No: USGS-415943088165701  
 Site Type: Well  
 Formation Type: Quaternary System  
 Date Drilled:  
 Well Depth: 170  
 Well Depth Unit: ft  
 Well Hole Depth:  
 Well Hole Depth Unit:  
 Reporting Agency: USGS Illinois Water Science Center  
 Station Name: 41N8E-35a  
 Latitude: 41.99530488000000  
 Longitude: -88.2825772000000

### Oil and Gas Wells and Borings

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.07	361.94	760.64	OGW

API No:	120893233200	Core Analysis:	NO
Comp Date:	815896800000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Stearns Rd. Bridge Corrido	Location:	1-40N-8E
Farm No:	22	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	82
Digitized Log Avail:	NO	Latitude:	41.979973
Scanned Log Avail:	NO	Longitude:	-88.26883099999999
TD Formation:		X:	-88.26882518299999
TD Formation Desc:		Y:	41.97996515500006
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233200</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSE	0.19	1,016.79	743.03	OGW

API No:	120893233300	Core Analysis:	NO
Comp Date:	815029200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	IDNR	Location:	1-40N-8E
Farm No:	23	Elev Ref:	Topographic map
Permit No:		Elevation (ft):	745
Permit Date:		Total Depth (ft):	62
Digitized Log Avail:	NO	Latitude:	41.978165



## Wells and Additional Sources Detail Report

Scanned Log Avail:	NO	Longitude:	-88.268823
TD Formation:		X:	-88.26881718299995
TD Formation Desc:		Y:	41.978157155000076
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233300</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SSW	0.20	1,034.87	742.62	OGW

API No:	120893232200	Core Analysis:	NO
Comp Date:	815202000000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Chicago Concrete Pipe Co.	Location:	1-40N-8E
Farm No:	8	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	112
Digitized Log Avail:	NO	Latitude:	41.978049
Scanned Log Avail:	NO	Longitude:	-88.27373399999999
TD Formation:		X:	-88.27372818199996
TD Formation Desc:		Y:	41.978041156000074
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232200</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	S	0.32	1,681.22	735.79	OGW

API No:	120893232300	Core Analysis:	NO
Comp Date:	815029200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Chicago Concrete Pipe Co.	Location:	1-40N-8E
Farm No:	9	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	57
Digitized Log Avail:	NO	Latitude:	41.976293999999996
Scanned Log Avail:	NO	Longitude:	-88.271272
TD Formation:		X:	-88.27126618299997
TD Formation Desc:		Y:	41.97628615600007
Status:	STRAT		

## Wells and Additional Sources Detail Report

Status Text: Stratigraphic Test  
 Logs Available:  
 ILSTRAT:  
 Data Summary Sheet: <https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&120893232300>  
 Source: ILOIL/Wells (Mapper)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">23</a>	SE	0.32	1,706.11	738.88	OGW

API No:	120893233400	Core Analysis:	NO
Comp Date:	814597200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Blackhawk Stables	Location:	1-40N-8E
Farm No:	24	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	62
Digitized Log Avail:	NO	Latitude:	41.978283
Scanned Log Avail:	NO	Longitude:	-88.263916
TD Formation:		X:	-88.26391018499999
TD Formation Desc:		Y:	41.97827515500006
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233400</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">24</a>	SW	0.34	1,799.07	725.30	OGW

API No:	120893232100	Core Analysis:	NO
Comp Date:	814597200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	R.O.W. (of IL. 25)	Location:	1-40N-8E
Farm No:	7	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	102
Digitized Log Avail:	NO	Latitude:	41.97793
Scanned Log Avail:	NO	Longitude:	-88.278641
TD Formation:		X:	-88.27863518099997
TD Formation Desc:		Y:	41.977922156000034
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232100</a>		

## Wells and Additional Sources Detail Report

Source: ILOIL/Wells (Mapper)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSE	0.34	1,806.55	764.48	OGW

API No:	120893233500	Core Analysis:	NO
Comp Date:	814424400000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Stearns/Dunham Rds. (intersect	Location:	1-40N-8E
Farm No:		Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	82
Digitized Log Avail:	NO	Latitude:	41.976423
Scanned Log Avail:	NO	Longitude:	-88.266362
TD Formation:		X:	-88.26635618399996
TD Formation Desc:		Y:	41.97641515500004
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233500</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	S	0.44	2,340.86	739.17	OGW

API No:	120893232700	Core Analysis:	NO
Comp Date:	818402400000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Lamplight Stables	Location:	1-40N-8E
Farm No:	16	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	57
Digitized Log Avail:	NO	Latitude:	41.974483
Scanned Log Avail:	NO	Longitude:	-88.271264
TD Formation:		X:	-88.27125818299999
TD Formation Desc:		Y:	41.97447515600004
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232700</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSE	0.44	2,330.76	744.82	OGW

## Wells and Additional Sources Detail Report

API No:	120893232900	Core Analysis:	NO
Comp Date:	818143200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Lamplight Stables	Location:	1-40N-8E
Farm No:	18	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	77
Digitized Log Avail:	NO	Latitude:	41.974554999999995
Scanned Log Avail:	NO	Longitude:	-88.268811
TD Formation:		X:	-88.26880518399997
TD Formation Desc:		Y:	41.97454715600003
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232900</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	WSW	0.45	2,378.23	706.45	OGW

API No:	120893231800	Core Analysis:	NO
Comp Date:	815637600000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Roelof	Location:	1-40N-8E
Farm No:	3	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	82
Digitized Log Avail:	NO	Latitude:	41.977872
Scanned Log Avail:	NO	Longitude:	-88.281094
TD Formation:		X:	-88.28108817999998
TD Formation Desc:		Y:	41.97786415600007
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231800</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	WSW	0.45	2,378.23	706.45	OGW

API No:	120893232000	Core Analysis:	NO
Comp Date:	815115600000	Core Available:	YES

## Wells and Additional Sources Detail Report

Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Midwest Groundcover	Location:	1-40N-8E
Farm No:	5	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	97
Digitized Log Avail:	NO	Latitude:	41.977872
Scanned Log Avail:	NO	Longitude:	-88.281094
TD Formation:		X:	-88.28108817999998
TD Formation Desc:		Y:	41.97786415600007
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232000</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	WSW	0.53	2,779.47	708.11	OGW

API No:	120893231700	Core Analysis:	NO
Comp Date:	817538400000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Lance	Location:	2-40N-8E
Farm No:	2	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	82
Digitized Log Avail:	NO	Latitude:	41.979661
Scanned Log Avail:	NO	Longitude:	-88.283537
TD Formation:		X:	-88.28353117899997
TD Formation Desc:		Y:	41.97965315600004
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231700</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	WSW	0.53	2,779.47	708.11	OGW

API No:	120893231600	Core Analysis:	NO
Comp Date:	815810400000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Lance	Location:	2-40N-8E
Farm No:	1	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0

## Wells and Additional Sources Detail Report

Permit Date:		Total Depth (ft):	97
Digitized Log Avail:	NO	Latitude:	41.979661
Scanned Log Avail:	NO	Longitude:	-88.283537
TD Formation:		X:	-88.28353117899997
TD Formation Desc:		Y:	41.97965315600004
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893231600</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	S	0.57	3,001.58	740.21	OGW

API No:	120893232800	Core Analysis:	NO
Comp Date:	813474000000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Breen	Location:	1-40N-8E
Farm No:	17	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	101
Digitized Log Avail:	NO	Latitude:	41.972668999999996
Scanned Log Avail:	NO	Longitude:	-88.27125699999999
TD Formation:		X:	-88.27125118299995
TD Formation Desc:		Y:	41.97266115600007
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232800</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	S	0.57	3,018.80	729.01	OGW

API No:	120893232400	Core Analysis:	NO
Comp Date:	814078800000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Petty (on Brewster Creek Rd.)	Location:	1-40N-8E
Farm No:	12	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	72
Digitized Log Avail:	NO	Latitude:	41.972592
Scanned Log Avail:	NO	Longitude:	-88.273714
TD Formation:		X:	-88.27370818299994

## Wells and Additional Sources Detail Report

TD Formation Desc:	Y:	41.97258415700003
Status:	STRAT	
Status Text:	Stratigraphic Test	
Logs Available:		
ILSTRAT:		
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwervlet?oilsummary&amp;120893232400">https://isgs-oas.isgs.illinois.edu/reports/rwervlet?oilsummary&amp;120893232400</a>	
Source:	ILOIL/Wells (Mapper)	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	SSE	0.62	3,252.72	749.43	OGW

API No:	120893233600	Core Analysis:	NO
Comp Date:	816415200000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Pratts-Wayne Woods	Location:	1-40N-8E
Farm No:	26	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	53
Digitized Log Avail:	NO	Latitude:	41.972904
Scanned Log Avail:	NO	Longitude:	-88.263888
TD Formation:		X:	-88.26388218499994
TD Formation Desc:		Y:	41.97289615600005
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwervlet?oilsummary&amp;120893233600">https://isgs-oas.isgs.illinois.edu/reports/rwervlet?oilsummary&amp;120893233600</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	WSW	0.68	3,613.78	696.63	OGW

API No:	120893231900	Core Analysis:	NO
Comp Date:	815374800000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Midwest Groundcover	Location:	2-40N-8E
Farm No:	4	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	87
Digitized Log Avail:	NO	Latitude:	41.977772
Scanned Log Avail:	NO	Longitude:	-88.285956
TD Formation:		X:	-88.28595017799995
TD Formation Desc:		Y:	41.977764156000035
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			



## Wells and Additional Sources Detail Report

ILSTRAT:

Data Summary Sheet: <https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&120893231900>

Source: ILOIL/Wells (Mapper)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	S	0.69	3,651.08	746.90	OGW

API No:	120893233000	Core Analysis:	NO
Comp Date:	813906000000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Brewster Creek Circle	Location:	12-40N-8E
Farm No:	20	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	97
Digitized Log Avail:	NO	Latitude:	41.970929999999996
Scanned Log Avail:	NO	Longitude:	-88.268795
TD Formation:		X:	-88.26878918399996
TD Formation Desc:		Y:	41.970922157000075
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			

ILSTRAT:

Data Summary Sheet: <https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&120893233000>

Source: ILOIL/Wells (Mapper)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	SSE	0.73	3,858.29	758.98	OGW

API No:	120893233100	Core Analysis:	NO
Comp Date:	816588000000	Core Available:	YES
Company Name:	STS Consultants, Ltd.	Samples Available:	NO
Farm Name:	Kane County	Location:	12-40N-8E
Farm No:	21	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	77
Digitized Log Avail:	NO	Latitude:	41.971092999999996
Scanned Log Avail:	NO	Longitude:	-88.26388399999999
TD Formation:		X:	-88.26387818599994
TD Formation Desc:		Y:	41.97108515600007
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			

ILSTRAT:

Data Summary Sheet: <https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&120893233100>

Source: ILOIL/Wells (Mapper)

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	SSW	0.76	4,006.67	723.25	OGW
<div> <div> API No: 120893232500  Comp Date: 817020000000  Company Name: STS Consultants, Ltd.  Farm Name: YWCA (Camp Tu-Endie-Wei)  Farm No: 14  Permit No:  Permit Date:  Digitized Log Avail: NO  Scanned Log Avail: NO  TD Formation:  TD Formation Desc:  Status: STRAT  Status Text: Stratigraphic Test  Logs Available:  ILSTRAT:  Data Summary Sheet: <a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232500</a>  Source: ILOIL/Wells (Mapper) </div> <div> Core Analysis: NO  Core Available: YES  Samples Available: NO  Location: 12-40N-8E  Elev Ref: Ground level  Elevation (ft): 0  Total Depth (ft): 92  Latitude: 41.97061  Longitude: -88.278621  X: -88.27861518099996  Y: 41.97060215700003 </div> </div>					
Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.82	4,345.41	746.52	OGW
<div> <div> API No: 120893232600  Comp Date: 816328800000  Company Name: STS Consultants, Ltd.  Farm Name: Brewster Creek Circle  Farm No: 15  Permit No:  Permit Date:  Digitized Log Avail: NO  Scanned Log Avail: NO  TD Formation:  TD Formation Desc:  Status: STRAT  Status Text: Stratigraphic Test  Logs Available:  ILSTRAT:  Data Summary Sheet: <a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893232600</a>  Source: ILOIL/Wells (Mapper) </div> <div> Core Analysis: NO  Core Available: YES  Samples Available: NO  Location: 12-40N-8E  Elev Ref: Ground level  Elevation (ft): 0  Total Depth (ft): 109  Latitude: 41.968948999999995  Longitude: -88.27371  X: -88.27370418299995  Y: 41.968941157000074 </div> </div>					
Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	SW	0.89	4,695.16	764.43	OGW

## Wells and Additional Sources Detail Report

API No:	120893233900	Core Analysis:	NO
Comp Date:	819007200000	Core Available:	YES
Company Name:	Soil Testing Services, Inc.	Samples Available:	NO
Farm Name:	R.O.W. (of Hickory Lane)	Location:	11-40N-8E
Farm No:	32	Elev Ref:	Ground level
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	79
Digitized Log Avail:	NO	Latitude:	41.970469
Scanned Log Avail:	NO	Longitude:	-88.28351699999999
TD Formation:		X:	-88.28351117999995
TD Formation Desc:		Y:	41.970461157000045
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893233900</a>		
Source:	ILOIL/Wells (Mapper)		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SW	0.99	5,216.48	754.62	OGW

API No:	120893075500	Core Analysis:	NO
Comp Date:		Core Available:	YES
Company Name:	IL State Water Survey	Samples Available:	NO
Farm Name:	Valley View	Location:	11-40N-8E
Farm No:	KCW-5	Elev Ref:	
Permit No:		Elevation (ft):	0
Permit Date:		Total Depth (ft):	0
Digitized Log Avail:	NO	Latitude:	41.970634
Scanned Log Avail:	NO	Longitude:	-88.286738
TD Formation:		X:	-88.28673217899996
TD Formation Desc:		Y:	41.97062615800007
Status:	STRAT		
Status Text:	Stratigraphic Test		
Logs Available:			
ILSTRAT:			
Data Summary Sheet:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893075500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?oilsummary&amp;120893075500</a>		
Source:	ILOIL/Wells (Mapper)		

### Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	766.33	WATER WELLS

API No:	120892720600	Pump GPM:	10
ISWSP No:	68816	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Monarch Disposal	Township:
Driller: Sisson, Edward	Township Dir:
Date Drilled: 10/29/1986	Range:
Elevation: 745	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 150	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.982928
Form Top: 51	Longitude: -88.273527
Form Bottom: 150	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892720600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892720600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.00	4.71	759.64	WATER WELLS

API No: 120893463400	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: GW Dakota	Township:
Driller:	Township Dir:
Date Drilled:	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 0	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.981778
Form Top: 0	Longitude: -88.268839
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.00	4.71	759.64	WATER WELLS

API No: 120892788200	Pump GPM: 0
ISWSP No: 213266	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Wayne Disposal %Jerry Krich	Township:
Driller: Stone, Ronald	Township Dir:
Date Drilled: 10/30/1987	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: rock	Latitude: 41.981778
Form Top: 0	Longitude: -88.268839
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892788200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892788200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.00	4.71	759.64	WATER WELLS

API No: 120892901700	Pump GPM: 15
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Burnside Construction Co.	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 3/15/1980	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.981778
Form Top: 30	Longitude: -88.268839
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901700</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.04	197.13	769.73	WATER WELLS

API No: 120892769500	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: ENG	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	BP-27
Status Long:	Engineering Test	Location:	1-40N-8E
Well:	BP-27	Section No:	
Owner:	Woodland Landfill	Township:	
Driller:	Patrick Engineering, Inc.	Township Dir:	
Date Drilled:	5/20/1982	Range:	
Elevation:	745	Range Dir:	
Elevation Ref:	RT	Flag Las:	NO
Elevation Ref Long:	Rotary table	Flag Log:	NO
Total Depth:	83	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.982189
Form Top:	0	Longitude:	-88.274568
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892769500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892769500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	N	0.04	212.94	774.47	WATER WELLS

API No:	120893183400	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Schoen, John	Township:	
Driller:	Dietzman, Gerald E.	Township Dir:	
Date Drilled:	1/25/1996	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	220	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	shale	Latitude:	41.985358
Form Top:	208	Longitude:	-88.271304
Form Bottom:	220		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893183400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893183400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	E	0.05	270.65	756.97	WATER WELLS

API No:	120892901900	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Wayne, Surray	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 11/16/1978	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 160	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.982703
Form Top: 140	Longitude: -88.267614
Form Bottom: 160	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.05	241.53	757.57	WATER WELLS

API No: 120893666800	Pump GPM: 40
ISWSP No: 450229	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Woodland Recycling & Disposal	Township:
Driller: Nice, Mark E.	Township Dir:
Date Drilled: 1/29/2010	Range:
Elevation:	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.980767
Form Top: 79	Longitude: -88.274217
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893666800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893666800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	N	0.09	474.37	768.52	WATER WELLS

API No: 120892741300	Pump GPM: 10
ISWSP No: 68818	Rate GPM:
Status: WATER	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Behles, Joseph	Township:	
Driller:	Liberg, Paul Evan	Township Dir:	
Date Drilled:	4/1/1987	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	360	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.986061
Form Top:	113	Longitude:	-88.272126
Form Bottom:	360		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892741300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892741300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSW	0.07	383.03	750.88	WATER WELLS

API No:	120893084000	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Woodland Sanitary Landfill	Township:	
Driller:	Liberg, Thomas P.	Township Dir:	
Date Drilled:	7/29/1992	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	120	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.979867999999996
Form Top:	97	Longitude:	-88.273738
Form Bottom:	120		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893084000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893084000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSW	0.07	383.03	750.88	WATER WELLS

API No:	120893063000	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	1-40N-8E
Well:	1	Section No:	
Owner:	Waste Mgmt of North America	Township:	
Driller:	Liberg, Paul Evan	Township Dir:	
Date Drilled:	3/17/1992	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	160	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.979867999999996
Form Top:	84	Longitude:	-88.273738
Form Bottom:	160		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893063000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893063000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.07	361.94	760.64	WATER WELLS

API No:	120893233200	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	22
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	22	Section No:	
Owner:	Stearns Rd. Bridge Corrido	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/9/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	82	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.979973
Form Top:	0	Longitude:	-88.268830999999999
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	E	0.08	406.20	757.61	WATER WELLS

API No:	120893713600	Pump GPM:	10
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:	1	
Status Long:	Water Well	Location:	36-41N-8E
Well:	1	Section No:	
Owner:	Morris, Jacleen	Township:	
Driller:	Fischer, James Monroe	Township Dir:	
Date Drilled:	11/22/2013	Range:	
Elevation:	750	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	150	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.983517
Form Top:	124	Longitude:	-88.26690599999999
Form Bottom:	150		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893713600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893713600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SSW	0.13	693.02	746.81	WATER WELLS

API No:	120893062900	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	2
Status Long:	Water Well	Location:	1-40N-8E
Well:	2	Section No:	
Owner:	Waste Mgmt of North America	Township:	
Driller:	Liberg, Paul Evan	Township Dir:	
Date Drilled:	3/8/1992	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	120	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.978985
Form Top:	67	Longitude:	-88.272509
Form Bottom:	101		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893062900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893062900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	ESE	0.14	722.50	756.84	WATER WELLS

API No:	120890079000	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Mayer Andy	Township:	
Driller:	O'Brien, Edward S.	Township Dir:	
Date Drilled:	1/1/1935	Range:	
Elevation:	760	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	90	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.980813999999995
Form Top:		Longitude:	-88.266393
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890079000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890079000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSE	0.19	1,016.79	743.03	WATER WELLS

API No:	120893233300	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	23
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	23	Section No:	
Owner:	IDNR	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	10/30/1995	Range:	
Elevation:	745	Range Dir:	
Elevation Ref:	TM	Flag Las:	NO
Elevation Ref Long:	Topographic map	Flag Log:	NO
Total Depth:	62	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.978165
Form Top:	0	Longitude:	-88.268823
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SSW	0.20	1,034.87	742.62	WATER WELLS

API No:	120893273800	Pump GPM:	0
ISWSP No:	305017	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: White Gates Skeet Club	Township:
Driller: Efflandt, Robert	Township Dir:
Date Drilled: 8/18/1998	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: dark gray shale	Latitude: 41.978049
Form Top: 133	Longitude: -88.27373399999999
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893273800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893273800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SSW	0.20	1,034.87	742.62	WATER WELLS

API No: 120893232200	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:
Status Text:	Farm Name: 8
Status Long: Stratigraphic Test	Location: 1-40N-8E
Well: 8	Section No:
Owner: Chicago Concrete Pipe Co.	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 11/1/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 112	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.978049
Form Top: 0	Longitude: -88.27373399999999
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.20	1,051.13	771.38	WATER WELLS

API No: 120890078900	Pump GPM:
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Cleson Frank	Township:
Driller: Fett, John	Township Dir:
Date Drilled: 8/1/1966	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 87	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.979586999999995
Form Top:	Longitude: -88.276786
Form Bottom:	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890078900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890078900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SW	0.22	1,186.83	751.33	WATER WELLS

API No: 120892901800	Pump GPM: 10
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Ihssen, Dave	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 10/12/1983	Range:
Elevation: 750	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 0	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.979307
Form Top: 0	Longitude: -88.277153
Form Bottom: 120	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892901800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	S	0.32	1,681.22	735.79	WATER WELLS

API No: 120893232300	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:	9	
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	9	Section No:	
Owner:	Chicago Concrete Pipe Co.	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	10/30/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	57	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.976293999999996
Form Top:	0	Longitude:	-88.271272
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SSE	0.32	1,673.56	749.35	WATER WELLS

API No:	120893296600	Pump GPM:	20
ISWSP No:	308364	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Hurd, Bob	Township:	
Driller:	Meadow Equipment	Township Dir:	
Date Drilled:	1/15/1999	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	120	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.97636
Form Top:	71	Longitude:	-88.268814999999999
Form Bottom:	120		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893296600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893296600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSW	0.32	1,695.07	729.76	WATER WELLS

API No:	120890112600	Pump GPM:	20
ISWSP No:	68815	Rate GPM:	
Status:	WATER	Two Mile F:	



## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Stephenson Bill	Township:
Driller: Stanley, Charles	Township Dir:
Date Drilled: 5/1/1971	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 82	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.97623
Form Top:	Longitude: -88.273726
Form Bottom:	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890112600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890112600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SW	0.31	1,652.25	734.07	WATER WELLS

API No: 120890017900	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name: 1
Status Long: Water Well	Location: 1-40N-8E
Well: 1	Section No:
Owner: Elmhurst-Chicagoston	Township:
Driller: Miller, J. P. Artesian Well Co.	Township Dir:
Date Drilled: 8/1/1959	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 85	Flag Core: NO
Formation:	Flag Samples: YES
W Formation:	Latitude: 41.97735
Form Top: 0	Longitude: -88.277152
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890017900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890017900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SE	0.32	1,706.11	738.88	WATER WELLS

API No: 120893233400	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 24
Status Long: Stratigraphic Test	Location: 1-40N-8E
Well: 24	Section No:
Owner: Blackhawk Stables	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 10/25/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 62	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.978283
Form Top: 0	Longitude: -88.263916
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SE	0.32	1,706.11	738.88	WATER WELLS

API No: 120893243100	Pump GPM: 0
ISWSP No: 299604	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Bisbikis, Dimitra	Township:
Driller: Dietzman, Gerald E.	Township Dir:
Date Drilled: 11/14/1997	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 160	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: yellow rock	Latitude: 41.978283
Form Top: 75	Longitude: -88.263916
Form Bottom: 160	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893243100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893243100</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.34	1,799.07	725.30	WATER WELLS

API No: 120893232100	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	7
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	7	Section No:	
Owner:	R.O.W. (of IL. 25)	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	10/25/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	102	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.97793
Form Top:	0	Longitude:	-88.278641
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.34	1,799.07	725.30	WATER WELLS

API No:	120893685200	Pump GPM:	100
ISWSP No:	475843	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	2
Status Long:	Water Well	Location:	1-40N-8E
Well:	2	Section No:	
Owner:	Lamplight Stables	Township:	
Driller:	Weirich, William Theodore	Township Dir:	
Date Drilled:	5/29/2013	Range:	
Elevation:	630	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	275	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.977933
Form Top:	190	Longitude:	-88.278638
Form Bottom:	275		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893685200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893685200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSE	0.34	1,806.55	764.48	WATER WELLS

API No:	120893233500	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Stratigraphic Test	Location: 1-40N-8E
Well:	Section No:
Owner: Stearns/Dunham Rds. (intersect	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 10/23/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 82	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.976423
Form Top: 0	Longitude: -88.266362
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SE	0.39	2,082.08	767.46	WATER WELLS

API No: 120892902000	Pump GPM: 10
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Zack, Paul	Township:
Driller: Senffner, Alan James	Township Dir:
Date Drilled: 10/20/1980	Range:
Elevation: 770	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 160	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.976686
Form Top: 0	Longitude: -88.263975
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNE	0.42	2,230.18	761.54	WATER WELLS

API No: 120893530500	Pump GPM: 8
ISWSP No: 358414	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	King, Sally/Seaman, Mardell D.	Township:	
Driller:	John A. Jablonski	Township Dir:	
Date Drilled:		Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	465	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gray rock	Latitude:	41.990888
Form Top:	175	Longitude:	-88.268951
Form Bottom:	465		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893530500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893530500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	S	0.44	2,340.86	739.17	WATER WELLS

API No:	120893232700	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	16
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	16	Section No:	
Owner:	Lamplight Stables	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	12/8/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	57	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.974483
Form Top:	0	Longitude:	-88.271264
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NE	0.42	2,223.10	760.04	WATER WELLS

API No:	120893135100	Pump GPM:	0
ISWSP No:	405119	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	Bluff City Materials	Township:	
Driller:	Snelten, Stephen A.	Township Dir:	
Date Drilled:	5/10/1994	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.989112999999996
Form Top:	180	Longitude:	-88.26402499999999
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893135100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893135100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NE	0.42	2,223.10	760.04	WATER WELLS

API No:	120893530400	Pump GPM:	50
ISWSP No:	358307	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	Benchmark Contr/Donovan, Steve	Township:	
Driller:	Snelten, Stephen A.	Township Dir:	
Date Drilled:	2/13/1997	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.989112999999996
Form Top:	91	Longitude:	-88.26402499999999
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893530400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893530400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSE	0.44	2,330.76	744.82	WATER WELLS

API No:	120893232900	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	18
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	18	Section No:	
Owner:	Lamplight Stables	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	12/5/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	77	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.974554999999995
Form Top:	0	Longitude:	-88.268811
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	SSE	0.42	2,237.79	763.52	WATER WELLS

API No:	120890124000	Pump GPM:	
ISWSP No:	68813	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Stephenson Wm	Township:	
Driller:	O'Brien, Edward S.	Township Dir:	
Date Drilled:	9/1/1971	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	29	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.975559
Form Top:		Longitude:	-88.265129
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890124000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890124000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	WSW	0.45	2,378.23	706.45	WATER WELLS

API No:	120893232000	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	



## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	5
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	5	Section No:	
Owner:	Midwest Groundcover	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	10/31/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	97	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.977872
Form Top:	0	Longitude:	-88.281094
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	WSW	0.45	2,378.23	706.45	WATER WELLS

API No:	120893231800	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	3
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	3	Section No:	
Owner:	Roelof	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/6/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	82	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.977872
Form Top:	0	Longitude:	-88.281094
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231800</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	SSW	0.44	2,340.06	719.27	WATER WELLS

API No:	120893446200	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	ENG	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	IL 25
Status Long:	Engineering Test	Location:	1-40N-8E
Well:	IL 25	Section No:	
Owner:	IL 25/Brewster Creek	Township:	
Driller:	IL Div. of Highways	Township Dir:	
Date Drilled:	9/25/1995	Range:	
Elevation:	717	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	75	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.975217
Form Top:		Longitude:	-88.27740399999999
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893446200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893446200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	WNW	0.45	2,365.86	769.09	WATER WELLS

API No:	120892662100	Pump GPM:	10
ISWSP No:	68828	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Behles, Joseph	Township:	
Driller:	Sisson, Edward	Township Dir:	
Date Drilled:	6/28/1985	Range:	
Elevation:	760	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	0	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	LIMESTONE	Latitude:	41.985853999999996
Form Top:	76	Longitude:	-88.28251
Form Bottom:	120		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892662100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892662100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	WSW	0.48	2,516.53	718.53	WATER WELLS

API No:	120893639800	Pump GPM:	12
ISWSP No:	427376	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Zenkner, Mark & Alina	Township:	
Driller:	Wellendorf, Rodney	Township Dir:	
Date Drilled:	11/30/2006	Range:	
Elevation:	636	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	260	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	rock	Latitude:	41.980283
Form Top:	135	Longitude:	-88.28275
Form Bottom:	260		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893639800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893639800</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	WSW	0.53	2,779.47	708.11	WATER WELLS

API No:	120893231700	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	2
Status Long:	Stratigraphic Test	Location:	2-40N-8E
Well:	2	Section No:	
Owner:	Lance	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/28/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	82	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.979661
Form Top:	0	Longitude:	-88.283537
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	WSW	0.53	2,779.47	708.11	WATER WELLS

API No:	120892780300	Pump GPM:	18
ISWSP No:	213268	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	2-40N-8E
Well:	1	Section No:	
Owner:	Lance, Sandra	Township:	
Driller:	Weirich, William Theodore	Township Dir:	
Date Drilled:	8/15/1987	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	300	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.979661
Form Top:	0	Longitude:	-88.283537
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892780300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892780300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">38</a>	WSW	0.53	2,779.47	708.11	WATER WELLS

API No:	120893231600	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	1
Status Long:	Stratigraphic Test	Location:	2-40N-8E
Well:	1	Section No:	
Owner:	Lance	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/8/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	97	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.979661
Form Top:	0	Longitude:	-88.283537
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">39</a>	N	0.55	2,888.07	740.81	WATER WELLS

API No:	120893336000	Pump GPM:	0
ISWSP No:	319574	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 36-41N-8E
Well:	Section No:
Owner: Bluff City Materials	Township:
Driller: Snelten, Stephen A.	Township Dir:
Date Drilled: 6/21/1999	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 392	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.992657
Form Top: 141	Longitude: -88.27385799999999
Form Bottom: 392	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893336000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893336000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	S	0.57	3,001.58	740.21	WATER WELLS

API No: 120893232800	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:
Status Text:	Farm Name: 17
Status Long: Stratigraphic Test	Location: 1-40N-8E
Well: 17	Section No:
Owner: Breen	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 10/12/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 101	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.97266899999999
Form Top: 0	Longitude: -88.27125699999999
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	S	0.57	3,001.58	740.21	WATER WELLS

API No: 120893103400	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Felice, Joe	Township:	
Driller:	Cole, Raymond Joseph Jr.	Township Dir:	
Date Drilled:	6/16/1993	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.972668999999996
Form Top:	0	Longitude:	-88.271256999999999
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893103400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893103400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	S	0.57	3,018.80	729.01	WATER WELLS

API No:	120893360000	Pump GPM:	12
ISWSP No:	326541	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	1-40N-8E
Well:	1	Section No:	
Owner:	Marino, Michael	Township:	
Driller:	Fischer, James Monroe	Township Dir:	
Date Drilled:	10/11/2000	Range:	
Elevation:	737	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	185	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.972592
Form Top:	128	Longitude:	-88.273714
Form Bottom:	185		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893360000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893360000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	S	0.57	3,018.80	729.01	WATER WELLS

API No:	120893232400	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 12
Status Long: Stratigraphic Test	Location: 1-40N-8E
Well: 12	Section No:
Owner: Pettey (on Brewster Creek Rd.)	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 10/19/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 72	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.972592
Form Top: 0	Longitude: -88.273714
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	SSE	0.58	3,051.86	749.24	WATER WELLS

API No: 120892935000	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Breen, Dan	Township:
Driller: Liberg, Thomas P.	Township Dir:
Date Drilled: 1/11/1989	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 205	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.972823999999996
Form Top: 150	Longitude: -88.266346
Form Bottom: 205	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892935000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892935000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	W	0.62	3,256.07	714.09	WATER WELLS

API No: 120892332500	Pump GPM:
ISWSP No: 68841	Rate GPM:
Status: WATER	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Clesen Frank	Township:	
Driller:	Stanley, Charles	Township Dir:	
Date Drilled:	7/1/1976	Range:	
Elevation:	715	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	126	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.981646
Form Top:		Longitude:	-88.28583499999999
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892332500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892332500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	W	0.62	3,255.45	727.11	WATER WELLS

API No:	120893395300	Pump GPM:	10
ISWSP No:	331667	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Hernandez, Baltazar & Laura	Township:	
Driller:	Dietzman, Gerald E.	Township Dir:	
Date Drilled:	3/28/2000	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	153	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	medium gravel	Latitude:	41.98329
Form Top:	143	Longitude:	-88.28598
Form Bottom:	153		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893395300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893395300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	W	0.62	3,255.45	727.11	WATER WELLS

API No:	120890127500	Pump GPM:	
ISWSP No:	68845	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Bartels	Township:	
Driller:	Stanley, Charles	Township Dir:	
Date Drilled:	12/1/1971	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	110	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.98329
Form Top:		Longitude:	-88.28598
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890127500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890127500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	SSW	0.59	3,141.57	727.66	WATER WELLS

API No:	120890028100	Pump GPM:	
ISWSP No:	68823	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	1-40N-8E
Well:		Section No:	
Owner:	Wishingwellkennel	Township:	
Driller:	Stanley Bros	Township Dir:	
Date Drilled:	7/1/1967	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	140	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.972515
Form Top:		Longitude:	-88.276168
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890028100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890028100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	W	0.63	3,302.07	711.47	WATER WELLS

API No:	120893103500	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Cleson & Sons	Township:
Driller: Cole, Raymond Joseph Jr.	Township Dir:
Date Drilled: 5/7/1993	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 375	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.981451
Form Top: 0	Longitude: -88.285972
Form Bottom: 60	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893103500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893103500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	S	0.63	3,322.63	743.66	WATER WELLS

API No: 120890231400	Pump GPM: 8
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Surrey Wayne Construction	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 3/3/1981	Range:
Elevation: 745	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 180	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.971816
Form Top: 0	Longitude: -88.269673
Form Bottom: 180	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890231400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890231400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	N	0.64	3,357.26	743.48	WATER WELLS

API No: 120892230500	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WTST	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	E-8
Status Long:	Water Well Test Hole	Location:	36-41N-8E
Well:	E-8	Section No:	
Owner:	Elgin, City of	Township:	
Driller:	Layne Western Co., Inc.	Township Dir:	
Date Drilled:	9/1/1974	Range:	
Elevation:	745	Range Dir:	
Elevation Ref:	TM	Flag Las:	NO
Elevation Ref Long:	Topographic map	Flag Log:	NO
Total Depth:	100	Flag Core:	NO
Formation:		Flag Samples:	YES
W Formation:		Latitude:	41.993947999999996
Form Top:	0	Longitude:	-88.27370499999999
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892230500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892230500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">49</a>	SW	0.62	3,297.58	705.50	WATER WELLS

API No:	120893502000	Pump GPM:	25
ISWSP No:	347198	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Murray, James Jr. & Grace	Township:	
Driller:	Stinnett, David	Township Dir:	
Date Drilled:	10/4/2002	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	46	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.975978999999995
Form Top:	41	Longitude:	-88.283529
Form Bottom:	46		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893502000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893502000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">50</a>	NNE	0.62	3,297.65	770.12	WATER WELLS

API No:	120893139200	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	36-41N-8E
Well:	1	Section No:	
Owner:	Bluff City Materials	Township:	
Driller:	Snelten, Stephen A.	Township Dir:	
Date Drilled:	5/2/1994	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	shale & limestone	Latitude:	41.992793
Form Top:	160	Longitude:	-88.264117
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893139200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893139200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	SSE	0.62	3,252.72	749.43	WATER WELLS

API No:	120893233600	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	26
Status Long:	Stratigraphic Test	Location:	1-40N-8E
Well:	26	Section No:	
Owner:	Pratts-Wayne Woods	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/15/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	53	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.972904
Form Top:	0	Longitude:	-88.263888
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	S	0.65	3,442.86	745.37	WATER WELLS

API No:	120893681000	Pump GPM:	20
ISWSP No:	468505	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	1-40N-8E
Well:	1	Section No:	
Owner:	Anastasio, Michael & Ann	Township:	
Driller:	Liberg, Steve Jr.	Township Dir:	
Date Drilled:	7/15/2012	Range:	
Elevation:		Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	145	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.9715
Form Top:	97	Longitude:	-88.268889
Form Bottom:	105		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893681000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893681000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	WSW	0.67	3,550.13	708.67	WATER WELLS

API No:	120893730300	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Berner, Joyce	Township:	
Driller:	Kerry, Ryan	Township Dir:	
Date Drilled:	3/23/2018	Range:	
Elevation:		Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	80	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.980132999999995
Form Top:		Longitude:	-88.2866
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893730300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893730300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	W	0.68	3,583.75	711.30	WATER WELLS

API No:	120890167200	Pump GPM:	
ISWSP No:	68840	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Frank Clesent & Son	Township:
Driller: Stanley, Charles	Township Dir:
Date Drilled: 6/1/1973	Range:
Elevation: 712	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 117	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.981069999999995
Form Top:	Longitude: -88.286943
Form Bottom:	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890167200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890167200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	WSW	0.68	3,613.78	696.63	WATER WELLS

API No: 120893231900	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:
Status Text:	Farm Name: 4
Status Long: Stratigraphic Test	Location: 2-40N-8E
Well: 4	Section No:
Owner: Midwest Groundcover	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 11/3/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 87	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.977772
Form Top: 0	Longitude: -88.285956
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893231900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NNE	0.68	3,576.72	748.08	WATER WELLS

API No: 120892401100	Pump GPM: 10
ISWSP No: 71076	Rate GPM:
Status: WATER	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 36-41N-8E
Well:	Section No:
Owner: Kenyon, Bud	Township:
Driller: Barker, Paul A.	Township Dir:
Date Drilled: 7/24/1976	Range:
Elevation:	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 105	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: clay	Latitude: 41.994536
Form Top: 25	Longitude: -88.26811599999999
Form Bottom: 105	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892401100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892401100</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	NW	0.64	3,403.85	736.26	WATER WELLS

API No: 120893347500	Pump GPM: 622
ISWSP No: 322825	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name: 10
Status Long: Water Well	Location: 35-41N-8E
Well: 10	Section No:
Owner: South Elgin, Village of	Township:
Driller: Buffington, G.	Township Dir:
Date Drilled: 5/25/2000	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 165	Flag Core: NO
Formation:	Flag Samples: YES
W Formation: sand & gravel	Latitude: 41.990682
Form Top: 0	Longitude: -88.283587
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893347500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893347500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	NW	0.64	3,403.85	736.26	WATER WELLS

API No: 120893466400	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	35-41N-8E
Well:		Section No:	
Owner:	South Elgin	Township:	
Driller:		Township Dir:	
Date Drilled:	1/1/2000	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	162	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.990682
Form Top:	0	Longitude:	-88.283587
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893466400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893466400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	ESE	0.68	3,568.71	756.82	WATER WELLS

API No:	120430115500	Pump GPM:	10
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	6-40N-9E
Well:		Section No:	
Owner:	Haas Herman	Township:	
Driller:	O'Brien, Ed	Township Dir:	
Date Drilled:	2/1/1969	Range:	
Elevation:	755	Range Dir:	
Elevation Ref:	TM	Flag Las:	NO
Elevation Ref Long:	Topographic map	Flag Log:	NO
Total Depth:	70	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.978438
Form Top:	67	Longitude:	-88.25638599999999
Form Bottom:	70		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120430115500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120430115500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	S	0.69	3,651.08	746.90	WATER WELLS

API No:	120892973100	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Mark V Custom Homes	Township:
Driller: Liberg, Thomas P.	Township Dir:
Date Drilled: 3/14/1989	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 175	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.970929999999996
Form Top: 66	Longitude: -88.268795
Form Bottom: 175	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892973100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892973100</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	S	0.69	3,651.08	746.90	WATER WELLS

API No: 120893018800	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Kibler, Ralph	Township:
Driller: Sisson, Edward	Township Dir:
Date Drilled: 8/6/1990	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 215	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.970929999999996
Form Top: 140	Longitude: -88.268795
Form Bottom: 215	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893018800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893018800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	S	0.69	3,651.08	746.90	WATER WELLS

API No: 120893233000	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 20
Status Long: Stratigraphic Test	Location: 12-40N-8E
Well: 20	Section No:
Owner: Brewster Creek Circle	Township:
Driller: STS Consultants, Ltd.	Township Dir:
Date Drilled: 10/17/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 97	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.970929999999996
Form Top: 0	Longitude: -88.268795
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	S	0.70	3,681.85	728.78	WATER WELLS

API No: 120892798800	Pump GPM: 0
ISWSP No: 69240	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Dunley, Jim Construction	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 11/5/1987	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: drift	Latitude: 41.970771
Form Top: 60	Longitude: -88.27371
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892798800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892798800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	S	0.70	3,681.85	728.78	WATER WELLS

API No: 120893293700	Pump GPM: 20
ISWSP No: 309017	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Sterling Homes, LTD	Township:	
Driller:	Dietzman, Gerald E.	Township Dir:	
Date Drilled:	1/18/1999	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gray rock	Latitude:	41.970771
Form Top:	133	Longitude:	-88.27371
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893293700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893293700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	SSE	0.70	3,695.54	754.36	WATER WELLS

API No:	120893163200	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Messina & Sons	Township:	
Driller:	Brown, Darwin	Township Dir:	
Date Drilled:	3/8/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	140	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	shale	Latitude:	41.971013
Form Top:	60	Longitude:	-88.266342
Form Bottom:	140		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893163200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893163200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	NNW	0.68	3,594.19	736.97	WATER WELLS

API No:	120892953000	Pump GPM:	12
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 36-41N-8E
Well:	Section No:
Owner: Singleton, Thomas	Township:
Driller: Pitz, John W.	Township Dir:
Date Drilled: 3/9/1983	Range:
Elevation: 745	Range Dir:
Elevation Ref: TM	Flag Las: NO
Elevation Ref Long: Topographic map	Flag Log: NO
Total Depth: 137	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: gravel	Latitude: 41.993673
Form Top: 135	Longitude: -88.27951
Form Bottom: 137	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892953000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892953000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	SW	0.71	3,751.10	722.98	WATER WELLS

API No: 120893463300	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Camp To En Die Wei	Township:
Driller:	Township Dir:
Date Drilled:	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 0	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.972358
Form Top: 0	Longitude: -88.281082
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463300</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	SW	0.71	3,751.10	722.98	WATER WELLS

API No: 120893463200	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 1-40N-8E
Well:	Section No:
Owner: Camp To En Dee We	Township:
Driller:	Township Dir:
Date Drilled:	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 0	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.972358
Form Top: 0	Longitude: -88.281082
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893463200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	N	0.74	3,890.87	750.92	WATER WELLS

API No: 120892401200	Pump GPM: 10
ISWSP No: 71077	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 36-41N-8E
Well:	Section No:
Owner: Masheris, Fred A.	Township:
Driller: Barker, Paul A.	Township Dir:
Date Drilled: 7/23/1976	Range:
Elevation:	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 150	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.995393
Form Top: 110	Longitude: -88.274639
Form Bottom: 150	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892401200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892401200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	NW	0.70	3,720.96	738.67	WATER WELLS

API No: 120892245000	Pump GPM: 150
ISWSP No: 71084	Rate GPM:
Status: WATER	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	Eineke, Gary	Township:	
Driller:	Jurs, Martin & Son	Township Dir:	
Date Drilled:	2/27/1975	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	53	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.993305
Form Top:	0	Longitude:	-88.281367
Form Bottom:	53		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892245000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892245000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	SSE	0.75	3,936.36	749.76	WATER WELLS

API No:	120892731000	Pump GPM:	0
ISWSP No:	69232	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	158-86
Status Long:	Water Well	Location:	12-40N-8E
Well:	158-86	Section No:	
Owner:	Lukazewski, Les	Township:	
Driller:	Liberg, Steven Scott	Township Dir:	
Date Drilled:	11/22/1986	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	160	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.970236
Form Top:	121	Longitude:	-88.267198
Form Bottom:	160		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892731000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892731000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	SSE	0.73	3,858.29	758.98	WATER WELLS

API No:	120890098400	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Mock C I	Township:	
Driller:	Stanley, Charles	Township Dir:	
Date Drilled:	5/1/1970	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	335	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.971092999999996
Form Top:		Longitude:	-88.26388399999999
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890098400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890098400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	SSE	0.73	3,858.29	758.98	WATER WELLS

API No:	120893233100	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	21
Status Long:	Stratigraphic Test	Location:	12-40N-8E
Well:	21	Section No:	
Owner:	Kane County	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/17/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	77	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.971092999999996
Form Top:	0	Longitude:	-88.26388399999999
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SSW	0.76	4,038.97	727.51	WATER WELLS

API No:	120892917200	Pump GPM:	20
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Cutter, William	Township:	
Driller:	Knierim, Phil	Township Dir:	
Date Drilled:	3/4/1980	Range:	
Elevation:	725	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	160	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.969851
Form Top:	140	Longitude:	-88.274923
Form Bottom:	160		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	SSE	0.75	3,950.21	758.40	WATER WELLS

API No:	120890044100	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Criscuolo Andy	Township:	
Driller:	Stanley, Charles	Township Dir:	
Date Drilled:	9/1/1968	Range:	
Elevation:	755	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	110	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.970912999999996
Form Top:		Longitude:	-88.263577
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890044100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890044100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	WNW	0.75	3,981.43	729.74	WATER WELLS

API No:	120892772600	Pump GPM:	521
ISWSP No:	406503	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	6
Status Long:	Water Well	Location:	35-41N-8E
Well:	6	Section No:	
Owner:	Village of South Elgin	Township:	
Driller:	Neupert, Thomas A.	Township Dir:	
Date Drilled:	8/28/1987	Range:	
Elevation:	730	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	111	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	sand & gravel	Latitude:	41.987598999999996
Form Top:	103	Longitude:	-88.288071
Form Bottom:	111		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892772600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892772600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	SSW	0.76	4,006.67	723.25	WATER WELLS

API No:	120893232500	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	14
Status Long:	Stratigraphic Test	Location:	12-40N-8E
Well:	14	Section No:	
Owner:	YWCA (Camp Tu-Endie-Wei)	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/22/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	92	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.97061
Form Top:	0	Longitude:	-88.278621
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	N	0.80	4,224.35	751.95	WATER WELLS

API No:	120890133300	Pump GPM:	15
ISWSP No:	71078	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	7
Status Long:	Water Well	Location:	36-41N-8E
Well:	7	Section No:	
Owner:	Barry, Ralph	Township:	
Driller:	Burgess & Son	Township Dir:	
Date Drilled:	4/17/1972	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	0	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.996325
Form Top:	122	Longitude:	-88.273913
Form Bottom:	139		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890133300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890133300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	WNW	0.77	4,041.16	736.10	WATER WELLS

API No:	120890025000	Pump GPM:	0
ISWSP No:	406506	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	3
Status Long:	Water Well	Location:	35-41N-8E
Well:	3	Section No:	
Owner:	South Elgin	Township:	
Driller:	Layne Western Co., Inc.	Township Dir:	
Date Drilled:	4/1/1962	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	112	Flag Core:	NO
Formation:		Flag Samples:	YES
W Formation:		Latitude:	41.989671
Form Top:	0	Longitude:	-88.287247
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890025000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890025000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	S	0.82	4,327.36	739.29	WATER WELLS

API No:	120893047500	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: KGS Inc.	Township:
Driller: Sisson, Edward	Township Dir:
Date Drilled: 9/25/1990	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 160	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.969029
Form Top: 91	Longitude: -88.271249
Form Bottom: 160	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893047500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893047500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	S	0.82	4,327.36	739.29	WATER WELLS

API No: 120893073100	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Forrest, Randy	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 8/19/1990	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.969029
Form Top: 114	Longitude: -88.271249
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893073100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893073100</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	S	0.82	4,327.36	739.29	WATER WELLS

API No: 120893018700	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: De-Ge Development Co.	Township:
Driller: Sisson, Edward	Township Dir:
Date Drilled: 9/25/1990	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 240	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: gravel	Latitude: 41.969029
Form Top: 90	Longitude: -88.271249
Form Bottom: 122	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893018700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893018700</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	S	0.82	4,315.42	748.61	WATER WELLS

API No: 120893395500	Pump GPM: 12
ISWSP No: 331669	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Heffernan, Tom	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 4/12/2001	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 240	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: gray rock	Latitude: 41.969106
Form Top: 180	Longitude: -88.268791
Form Bottom:	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893395500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893395500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	SW	0.80	4,226.19	723.71	WATER WELLS

API No: 120893228500	Pump GPM: 35
ISWSP No: 295938	Rate GPM:
Status: WATER	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 1
Status Long: Water Well	Location: 2-40N-8E
Well: 1	Section No:
Owner: Orum, Peter Nurseries	Township:
Driller: Weirich, William Theodore	Township Dir:
Date Drilled: 11/16/1996	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 700	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sandstone	Latitude: 41.974095
Form Top: 651	Longitude: -88.285941
Form Bottom: 700	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893228500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893228500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	S	0.82	4,346.00	746.57	WATER WELLS

API No: 120892917800	Pump GPM: 11
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name: 81-639
Status Long: Water Well	Location: 12-40N-8E
Well: 81-639	Section No:
Owner: Surrey Wayne Develop.	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 10/9/1981	Range:
Elevation: 750	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.968944
Form Top: 0	Longitude: -88.273263
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.82	4,345.41	746.52	WATER WELLS

API No: 120893266700	Pump GPM: 20
ISWSP No: 302259	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 2
Status Long: Water Well	Location: 12-40N-8E
Well: 2	Section No:
Owner: IVCO Farms Inc.	Township:
Driller: Neely, Harry C.	Township Dir:
Date Drilled: 1/28/1998	Range:
Elevation: 750	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 360	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: dolomite	Latitude: 41.968948999999995
Form Top: 192	Longitude: -88.27371
Form Bottom: 360	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893266700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893266700</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.82	4,345.41	746.52	WATER WELLS

API No: 120893019000	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Miles, Ross & Associates	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 8/4/1989	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.968948999999995
Form Top: 185	Longitude: -88.27371
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893019000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893019000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.82	4,345.41	746.52	WATER WELLS

API No: 120893232600	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: STRAT	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	15
Status Long:	Stratigraphic Test	Location:	12-40N-8E
Well:	15	Section No:	
Owner:	Brewster Creek Circle	Township:	
Driller:	STS Consultants, Ltd.	Township Dir:	
Date Drilled:	11/14/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	109	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.968948999999995
Form Top:	0	Longitude:	-88.27371
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893232600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NNW	0.81	4,262.66	756.08	WATER WELLS

API No:	120893606500	Pump GPM:	10
ISWSP No:	374347	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	Cardenas, Roberto	Township:	
Driller:	Efflandt, Robert	Township Dir:	
Date Drilled:	10/7/2005	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	134	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.996289
Form Top:	118	Longitude:	-88.276333999999999
Form Bottom:	134		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893606500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893606500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	WNW	0.81	4,264.31	725.90	WATER WELLS

API No:	120892681800	Pump GPM:	20
ISWSP No:	216133	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 35-41N-8E
Well:	Section No:
Owner: Clesen, Frank & Sons	Township:
Driller: Liberg, Steven Scott	Township Dir:
Date Drilled: 2/19/1986	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 107	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: gravel	Latitude: 41.987204999999996
Form Top: 0	Longitude: -88.289271
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892681800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892681800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.82	4,327.35	699.48	WATER WELLS

API No: 120892832000	Pump GPM: 10
ISWSP No: 213267	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Hood, Billy	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 6/11/1988	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 105	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sand & gravel	Latitude: 41.974992
Form Top: 0	Longitude: -88.287155
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892832000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892832000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	SSE	0.82	4,349.98	737.24	WATER WELLS

API No: 120893351900	Pump GPM: 35
ISWSP No: 324521	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:	1	
Status Long:	Water Well	Location:	12-40N-8E
Well:	1	Section No:	
Owner:	Lamp Light Equestrian, Inc.	Township:	
Driller:	Weirich, William Theodore	Township Dir:	
Date Drilled:	7/15/2000	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	43	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.969186
Form Top:	42	Longitude:	-88.266334
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893351900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893351900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SSW	0.82	4,317.23	749.23	WATER WELLS

API No:	120893148700	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Sassmannshausen, Richard	Township:	
Driller:	Fordonski, Keith	Township Dir:	
Date Drilled:	3/17/1995	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	140	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	clay	Latitude:	41.97053
Form Top:	137	Longitude:	-88.281078
Form Bottom:	140		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893148700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893148700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SSW	0.82	4,317.23	749.23	WATER WELLS

API No:	120893707400	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Turk, Mark	Township:
Driller: Fordonski, Keith	Township Dir:
Date Drilled: 10/29/1995	Range:
Elevation:	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 680	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: St. Pete	Latitude: 41.970532
Form Top: 650	Longitude: -88.281077
Form Bottom: 680	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893707400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893707400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	SSE	0.84	4,410.49	737.70	WATER WELLS

API No: 120892917400	Pump GPM: 40
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Olson, Larry	Township:
Driller: Knierim, James	Township Dir:
Date Drilled: 10/27/1978	Range:
Elevation: 745	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.969041
Form Top: 40	Longitude: -88.266156
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	SW	0.84	4,427.79	760.63	WATER WELLS

API No: 120892902300	Pump GPM: 40
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Fence Rail Homes %Tom Mitz	Township:	
Driller:	Liberg, Patrick A.	Township Dir:	
Date Drilled:	7/12/1983	Range:	
Elevation:	755	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	sandstone	Latitude:	41.972046999999996
Form Top:	140	Longitude:	-88.284522
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	S	0.87	4,571.14	761.77	WATER WELLS

API No:	120892917300	Pump GPM:	12
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	80-1175
Status Long:	Water Well	Location:	12-40N-8E
Well:	80-1175	Section No:	
Owner:	Kusek Const.	Township:	
Driller:	Knierim, Phil	Township Dir:	
Date Drilled:	1/14/1981	Range:	
Elevation:	765	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	rock-shale	Latitude:	41.968427999999996
Form Top:	0	Longitude:	-88.268002
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	W	0.87	4,597.23	701.34	WATER WELLS

API No:	120893273900	Pump GPM:	0
ISWSP No:	305016	Rate GPM:	
Status:	WATER	Two Mile F:	



## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Master Generals	Township:
Driller: Efflandt, Robert	Township Dir:
Date Drilled: 8/20/1998	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 80	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: heavy gravel	Latitude: 41.985019
Form Top: 70	Longitude: -88.290858
Form Bottom: 80	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893273900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893273900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	W	0.87	4,597.23	701.34	WATER WELLS

API No: 120893603600	Pump GPM: 15
ISWSP No: 373624	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Williams, James & Marybeth	Township:
Driller: Senffner, Keith	Township Dir:
Date Drilled: 1/21/2005	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 108	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sand, gravel, boulder	Latitude: 41.985022
Form Top: 68	Longitude: -88.290854
Form Bottom: 108	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893603600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893603600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	SSE	0.87	4,583.50	757.25	WATER WELLS

API No: 120892917500	Pump GPM: 10
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Saltsgaver, Randy	Township:
Driller: Senffner, Alan James	Township Dir:
Date Drilled: 12/11/1981	Range:
Elevation: 765	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.968457
Form Top: 0	Longitude: -88.267079
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	S	0.88	4,650.70	766.04	WATER WELLS

API No: 120892917600	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Wayne, Surray Construction	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 2/7/1979	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 185	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.968233999999995
Form Top: 130	Longitude: -88.267563
Form Bottom: 185	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	NNE	0.88	4,623.92	752.63	WATER WELLS

API No: 120314987900	Pump GPM:
ISWSP No:	Rate GPM:
Status: ENG	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	B-15
Status Long:	Engineering Test	Location:	31-41N-9E
Well:	B-15	Section No:	
Owner:	Proposed Balefill Site	Township:	
Driller:	Patrick Engineering Inc.	Township Dir:	
Date Drilled:	1/26/1987	Range:	
Elevation:	746	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	63	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.996362
Form Top:		Longitude:	-88.262793
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	NNE	0.88	4,664.79	749.71	WATER WELLS

API No:	120314987600	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	ENG	Two Mile F:	
Status Text:		Farm Name:	B-13
Status Long:	Engineering Test	Location:	31-41N-9E
Well:	B-13	Section No:	
Owner:	Proposed Balefill Site	Township:	
Driller:	Patrick Engineering Inc.	Township Dir:	
Date Drilled:	12/31/1986	Range:	
Elevation:	747	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	40	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.996362
Form Top:		Longitude:	-88.262436
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	NNW	0.86	4,556.47	739.26	WATER WELLS

API No:	120893599700	Pump GPM:	717
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	11Twin
Status Long:	Water Well	Location:	35-41N-8E
Well:	11Twin	Section No:	
Owner:	South Elgin	Township:	
Driller:	Layne-Western Co.	Township Dir:	
Date Drilled:	10/8/2004	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	172	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.995461
Form Top:	0	Longitude:	-88.28254
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893599700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893599700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	NNW	0.86	4,566.20	739.26	WATER WELLS

API No:	120893599600	Pump GPM:	400
ISWSP No:	411766	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	11
Status Long:	Water Well	Location:	35-41N-8E
Well:	11	Section No:	
Owner:	South Elgin, Village of	Township:	
Driller:	Layne-Western Co.	Township Dir:	
Date Drilled:	6/23/2004	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	170	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.995459
Form Top:	0	Longitude:	-88.282614
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893599600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893599600</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	SSE	0.90	4,753.78	761.65	WATER WELLS

API No:	120893648000	Pump GPM:	25
ISWSP No:	432390	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	12-40N-8E
Well:	1	Section No:	
Owner:	Masiulis, Joseph	Township:	
Driller:	Jablonski, John A.	Township Dir:	
Date Drilled:	7/26/2007	Range:	
Elevation:	795	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	225	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gray rock	Latitude:	41.968056
Form Top:	167	Longitude:	-88.26638899999999
Form Bottom:	225		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893648000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893648000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	WNW	0.88	4,628.54	729.85	WATER WELLS

API No:	120890023100	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	1-61
Status Long:	Water Well	Location:	35-41N-8E
Well:	1-61	Section No:	
Owner:	S Elgin Vill Of	Township:	
Driller:	Layne Western Co., Inc.	Township Dir:	
Date Drilled:	7/1/1961	Range:	
Elevation:	730	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	118	Flag Core:	NO
Formation:		Flag Samples:	YES
W Formation:		Latitude:	41.990368
Form Top:	0	Longitude:	-88.28919599999999
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890023100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120890023100</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	SW	0.89	4,695.16	764.43	WATER WELLS

API No:	120893233900	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 32
Status Long: Stratigraphic Test	Location: 11-40N-8E
Well: 32	Section No:
Owner: R.O.W. (of Hickory Lane)	Township:
Driller: Soil Testing Services, Inc.	Township Dir:
Date Drilled: 12/15/1995	Range:
Elevation: 0	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 79	Flag Core: YES
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.970469
Form Top: 0	Longitude: -88.28351699999999
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893233900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	SW	0.89	4,695.16	764.43	WATER WELLS

API No: 120893142600	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 11-40N-8E
Well:	Section No:
Owner: Keller, Jeff	Township:
Driller: Kerry, Charles M.	Township Dir:
Date Drilled: 11/9/1994	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 240	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.970469
Form Top: 202	Longitude: -88.28351699999999
Form Bottom: 240	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893142600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893142600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	S	0.92	4,877.86	770.49	WATER WELLS

API No: 120892652000	Pump GPM: 10
ISWSP No: 69236	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Ciampi, Steve	Township:
Driller: Liberg, Steven Scott	Township Dir:
Date Drilled: 4/23/1985	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.967524999999995
Form Top: 160	Longitude: -88.270833
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892652000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892652000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	W	0.93	4,889.43	695.27	WATER WELLS

API No: 120892902100	Pump GPM: 15
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: James, Donald	Township:
Driller: Stanley, Charles Joseph	Township Dir:
Date Drilled:	Range:
Elevation: 695	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 95	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: gravel	Latitude: 41.98495
Form Top: 63	Longitude: -88.291938
Form Bottom: 95	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902100">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892902100</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	NE	0.91	4,827.26	762.30	WATER WELLS

API No: 120314987200	Pump GPM:
ISWSP No:	Rate GPM:
Status: ENG	Two Mile F:



## Wells and Additional Sources Detail Report

Status Text:	Farm Name: B-1
Status Long: Engineering Test	Location: 31-41N-9E
Well: B-1	Section No:
Owner: Proposed Balefill Site	Township:
Driller: Patrick Engineering Inc.	Township Dir:
Date Drilled: 1/28/1986	Range:
Elevation: 763	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 95	Flag Core: NO
Formation:	Flag Samples: NO
W Formation:	Latitude: 41.994149
Form Top:	Longitude: -88.25722499999999
Form Bottom:	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120314987200</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	SSW	0.92	4,846.07	761.96	WATER WELLS

API No: 120892917700	Pump GPM: 12
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name: 81-846
Status Long: Water Well	Location: 12-40N-8E
Well: 81-846	Section No:
Owner: Surrey Wayne Develop.	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 12/28/1981	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: shale	Latitude: 41.967922
Form Top: 0	Longitude: -88.277391
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892917700</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	S	0.95	4,992.05	779.03	WATER WELLS

API No: 120892819800	Pump GPM: 10
ISWSP No: 214854	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Turk, Mark	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 4/26/1988	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 131	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sand & gravel	Latitude: 41.967203999999995
Form Top: 0	Longitude: -88.271248
Form Bottom: 0	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892819800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892819800</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	S	0.95	4,992.05	779.03	WATER WELLS

API No: 120893385000	Pump GPM: 20
ISWSP No: 327938	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: D'Abar Builders, Inc.	Township:
Driller: Dietzman, Gerald E.	Township Dir:
Date Drilled: 10/20/2000	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 240	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: hard gray shale	Latitude: 41.967203999999995
Form Top: 210	Longitude: -88.271248
Form Bottom: 240	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893385000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893385000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	S	0.95	4,992.05	779.03	WATER WELLS

API No: 120893439800	Pump GPM: 25
ISWSP No: 339147	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Havlicek Builders	Township:	
Driller:	Meadow Equipment	Township Dir:	
Date Drilled:	12/12/2001	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	220	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.967203999999995
Form Top:	139	Longitude:	-88.271248
Form Bottom:	220		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893439800">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893439800</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">107</a>	S	0.95	4,992.05	779.03	WATER WELLS

API No:	120892819700	Pump GPM:	10
ISWSP No:	214855	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Peterson, Dave Builder Ltd.	Township:	
Driller:	Liberg, Steven Scott	Township Dir:	
Date Drilled:		Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	205	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.967203999999995
Form Top:	0	Longitude:	-88.271248
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892819700">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892819700</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">109</a>	NNW	0.93	4,924.61	760.49	WATER WELLS

API No:	120893339300	Pump GPM:	15
ISWSP No:	321686	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name: 2
Status Long: Water Well	Location: 36-41N-8E
Well: 2	Section No:
Owner: Kenyon Brothers	Township:
Driller: Neely, Mark S.	Township Dir:
Date Drilled: 4/6/2000	Range:
Elevation: 752	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 200	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: brown shale	Latitude: 41.998121999999995
Form Top: 176	Longitude: -88.27636
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893339300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893339300</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	W	0.95	5,027.28	694.31	WATER WELLS

API No: 120892728500	Pump GPM: 10
ISWSP No: 68836	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Mather, Merlin	Township:
Driller: Knierim, Phil	Township Dir:
Date Drilled: 11/20/1986	Range:
Elevation: 690	Range Dir:
Elevation Ref: GL	Flag Las: NO
Elevation Ref Long: Ground level	Flag Log: NO
Total Depth: 80	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sand gravel	Latitude: 41.983973999999996
Form Top: 60	Longitude: -88.292498
Form Bottom: 80	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892728500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120892728500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	S	0.95	5,007.90	772.63	WATER WELLS

API No: 120893607900	Pump GPM: 20
ISWSP No: 375164	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Brown, Eric/Muy, Leng	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 10/27/2005	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 250	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.96713
Form Top: 160	Longitude: -88.27370499999999
Form Bottom: 200	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893607900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893607900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	S	0.95	5,007.90	772.63	WATER WELLS

API No: 120893073000	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Forest, Randy	Township:
Driller: Wellendorf, Rodney	Township Dir:
Date Drilled: 8/28/1990	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.96713
Form Top: 143	Longitude: -88.27370499999999
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893073000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893073000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SSW	0.93	4,906.02	779.47	WATER WELLS

API No: 120893204600	Pump GPM: 0
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Cronin Custom Homes	Township:
Driller: Kerry, Charles	Township Dir:
Date Drilled: 7/31/1996	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 140	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.968714
Form Top: 93	Longitude: -88.281081
Form Bottom: 110	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893204600">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893204600</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SSW	0.93	4,906.02	779.47	WATER WELLS

API No: 120893244000	Pump GPM: 0
ISWSP No: 299275	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Pettey, Mary	Township:
Driller: Kerry, Charles M.	Township Dir:
Date Drilled: 10/13/1997	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 160	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.968714
Form Top: 92	Longitude: -88.281081
Form Bottom: 160	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893244000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893244000</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SSW	0.93	4,906.02	779.47	WATER WELLS

API No: 120893274400	Pump GPM: 20
ISWSP No: 305207	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Havlicek Builders	Township:	
Driller:	Meadow Equipment	Township Dir:	
Date Drilled:	9/4/1998	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	520	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.968714
Form Top:	360	Longitude:	-88.281081
Form Bottom:	520		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893274400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893274400</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	SSE	0.95	5,007.21	776.25	WATER WELLS

API No:	120893393900	Pump GPM:	20
ISWSP No:	331156	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Super, Bob & Kathy	Township:	
Driller:	Kerry, Charles M.	Township Dir:	
Date Drilled:	4/16/2001	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	180	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.967358999999995
Form Top:	0	Longitude:	-88.26633
Form Bottom:	0		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893393900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893393900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	SSE	0.95	5,007.21	776.25	WATER WELLS

API No:	120893347000	Pump GPM:	25
ISWSP No:	323957	Rate GPM:	
Status:	WATER	Two Mile F:	



## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Lorusso, Mike	Township:	
Driller:	Kerry, Charles M.	Township Dir:	
Date Drilled:	7/13/2000	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	140	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.967358999999995
Form Top:	90	Longitude:	-88.26633
Form Bottom:	140		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893347000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893347000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">113</a>	SSE	0.95	5,007.21	776.25	WATER WELLS

API No:	120893501900	Pump GPM:	25
ISWSP No:	347197	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Silvestri Custom Homes	Township:	
Driller:	Meadow Equipment	Township Dir:	
Date Drilled:	2/28/2003	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	200	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	limestone	Latitude:	41.967358999999995
Form Top:	159	Longitude:	-88.26633
Form Bottom:	200		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893501900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893501900</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
<a href="#">113</a>	SSE	0.95	5,007.21	776.25	WATER WELLS

API No:	120893323900	Pump GPM:	25
ISWSP No:	313000	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Custom Homes by D. R. Weiss	Township:
Driller: Kerry, Charles M.	Township Dir:
Date Drilled: 6/22/1999	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 220	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.967358999999995
Form Top: 161	Longitude: -88.26633
Form Bottom: 220	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893323900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893323900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	SSE	0.95	5,007.21	776.25	WATER WELLS

API No: 120893448500	Pump GPM: 25
ISWSP No: 339677	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Augustine Custom Homes	Township:
Driller: Meadow Equipment	Township Dir:
Date Drilled: 1/4/2002	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 180	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: limestone	Latitude: 41.967358999999995
Form Top: 134	Longitude: -88.26633
Form Bottom: 180	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893448500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893448500</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	WSW	0.97	5,112.48	705.35	WATER WELLS

API No: 120893727300	Pump GPM:
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Ritchie, Catherine	Township:	
Driller:	Jablonski, John A.	Township Dir:	
Date Drilled:		Range:	
Elevation:		Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:		Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.978572
Form Top:		Longitude:	-88.292022
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893727300">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893727300</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	WSW	0.96	5,089.27	694.31	WATER WELLS

API No:	120893527200	Pump GPM:	0
ISWSP No:	358448	Rate GPM:	
Status:	WATER	Two Mile F:	
Status Text:		Farm Name:	1
Status Long:	Water Well	Location:	2-40N-8E
Well:	1	Section No:	
Owner:	Pakan, Andrew	Township:	
Driller:	Fischer, James Monroe	Township Dir:	
Date Drilled:	10/6/2003	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	80	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.975840999999996
Form Top:	72	Longitude:	-88.290792
Form Bottom:	80		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893527200">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893527200</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	WSW	0.96	5,089.27	694.31	WATER WELLS

API No:	120893616500	Pump GPM:	12
ISWSP No:	379290	Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	2-40N-8E
Well:		Section No:	
Owner:	Tuttle, Ronald	Township:	
Driller:	Meadow Equipment	Township Dir:	
Date Drilled:	3/16/2006	Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	100	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	gravel	Latitude:	41.975843999999995
Form Top:	90	Longitude:	-88.29078799999999
Form Bottom:	100		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893616500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893616500</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	NNW	0.95	5,010.65	754.21	WATER WELLS

API No:	120893719000	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	MONIT	Two Mile F:	
Status Text:		Farm Name:	
Status Long:	Water Well Monitoring Well	Location:	36-41N-8E
Well:		Section No:	
Owner:	GENV-18-01	Township:	
Driller:	Illinois State Geological Survey	Township Dir:	
Date Drilled:		Range:	
Elevation:	755	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	135	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.998174
Form Top:		Longitude:	-88.277802
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893719000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893719000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	W	0.99	5,239.77	688.43	WATER WELLS

API No:	120893134400	Pump GPM:	0
ISWSP No:		Rate GPM:	
Status:	WATER	Two Mile F:	

## Wells and Additional Sources Detail Report

Status Text:	Farm Name:
Status Long: Water Well	Location: 2-40N-8E
Well:	Section No:
Owner: Home Builders Three	Township:
Driller: Dietzman, Gerald E.	Township Dir:
Date Drilled: 8/17/1994	Range:
Elevation: 690	Range Dir:
Elevation Ref: TM	Flag Las: NO
Elevation Ref Long: Topographic map	Flag Log: NO
Total Depth: 120	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sand & gravel	Latitude: 41.983131
Form Top: 110	Longitude: -88.29327699999999
Form Bottom: 120	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893134400">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893134400</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	SSE	0.97	5,122.34	749.38	WATER WELLS

API No: 120893527900	Pump GPM: 25
ISWSP No: 358445	Rate GPM:
Status: WATER	Two Mile F:
Status Text:	Farm Name:
Status Long: Water Well	Location: 12-40N-8E
Well:	Section No:
Owner: Behles, Rich	Township:
Driller: Meadow Equipment	Township Dir:
Date Drilled: 12/12/2003	Range:
Elevation: 0	Range Dir:
Elevation Ref:	Flag Las: NO
Elevation Ref Long:	Flag Log: NO
Total Depth: 640	Flag Core: NO
Formation:	Flag Samples: NO
W Formation: sandstone	Latitude: 41.967436
Form Top: 620	Longitude: -88.26387299999999
Form Bottom: 640	
PDF URL:	
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893527900">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893527900</a>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	SSE	0.99	5,234.02	781.25	WATER WELLS

API No: 120893721000	Pump GPM:
ISWSP No:	Rate GPM:
Status: WATER	Two Mile F:

## Wells and Additional Sources Detail Report

Status Text:		Farm Name:	
Status Long:	Water Well	Location:	12-40N-8E
Well:		Section No:	
Owner:	Honey Bridge Ranch	Township:	
Driller:	Knierim, Ken/K & K Well Drlg.	Township Dir:	
Date Drilled:	3/1/2018	Range:	
Elevation:	771	Range Dir:	
Elevation Ref:	GL	Flag Las:	NO
Elevation Ref Long:	Ground level	Flag Log:	NO
Total Depth:	800	Flag Core:	NO
Formation:		Flag Samples:	NO
W Formation:	sandstone	Latitude:	41.966685
Form Top:	640	Longitude:	-88.266784
Form Bottom:	800		
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893721000">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893721000</a>		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SW	0.99	5,216.48	754.62	WATER WELLS

API No:	120893075500	Pump GPM:	
ISWSP No:		Rate GPM:	
Status:	STRAT	Two Mile F:	
Status Text:		Farm Name:	KCW-5
Status Long:	Stratigraphic Test	Location:	11-40N-8E
Well:	KCW-5	Section No:	
Owner:	Valley View	Township:	
Driller:	IL State Water Survey	Township Dir:	
Date Drilled:		Range:	
Elevation:	0	Range Dir:	
Elevation Ref:		Flag Las:	NO
Elevation Ref Long:		Flag Log:	NO
Total Depth:	0	Flag Core:	YES
Formation:		Flag Samples:	NO
W Formation:		Latitude:	41.970634
Form Top:		Longitude:	-88.286738
Form Bottom:			
PDF URL:			
Data Summary:	<a href="https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893075500">https://isgs-oas.isgs.illinois.edu/reports/rwservlet?watersummary&amp;120893075500</a>		

## Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *COOK* County: **2**  
Federal EPA Radon Zone for *KANE* County: **1**  
Federal EPA Radon Zone for *DU PAGE* County: **2**

*Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L*

*Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L*

*Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L*

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### Federal Area Radon Information for *COOK* County

No Measures/Homes:	261
Geometric Mean:	2.3
Arithmetic Mean:	2.8
Median:	2.2
Standard Deviation:	1.8
Maximum:	11.6
% >4 pCi/L:	19
% >20 pCi/L:	0
Notes on Data Table:	TABLE 2. Screening indoor radon data from the IDNS statewide radon survey conducted in Illinois during 1987-91. Data represent 2-week to 3-month alpha-track measurements from the lowest level of each home tested.

### Federal Area Radon Information for *DUPAGE* County

No Measures/Homes:	167
Geometric Mean:	3.2
Arithmetic Mean:	4.4
Median:	3.1
Standard Deviation:	6
Maximum:	64.5
% >4 pCi/L:	31
% >20 pCi/L:	2
Notes on Data Table:	TABLE 2. Screening indoor radon data from the IDNS statewide radon survey conducted in Illinois during 1987-91. Data represent 2-week to 3-month alpha-track measurements from the lowest level of each home tested.

### Federal Area Radon Information for *KANE* County

No Measures/Homes:	70
Geometric Mean:	4
Arithmetic Mean:	5.5
Median:	4
Standard Deviation:	5.2
Maximum:	34.4
% >4 pCi/L:	51



## Radon Information

% >20 pCi/L:

Notes on Data Table:

3

TABLE 2. Screening indoor radon data from the IDNS statewide radon survey conducted in Illinois during 1987-91. Data represent 2-week to 3-month alpha-track measurements from the lowest level of each home tested.

## Federal Sources

### FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

### Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

### Public Water Systems Violations and Enforcement Data

PWSV

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

### Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

### Safe Drinking Water Information System (SDWIS)

SDWIS

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

### Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

### USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

### USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

### USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. NWIS database information is obtained through the Water Quality Data Portal (WQP).

### Wells from NWIS

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This select NWIS Wells dataset contains specific Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern. Applicable NWIS database information is obtained through the Water Quality Data Portal (WQP).

## **State Sources**

### **Oil and Gas Wells and Borings**

**OGW**

List of records found in the the Illinois Oil and Gas Resources mapping project ILOIL data set, made available by the Illinois State Geological Survey (ISGS). Additionally includes select records from the ISGS Wells and Borings database – those not found in the ISGS Illinois Water & Related Wells ILWATER data.

### **Public Water Supply Facilities**

**PWS**

A list of public water supply facilities made available by the Illinois Environmental Protection Agency. Note that locations are administrative contact addresses, which may or may not coincide with the location of the public water system or its components.

### **Underground Injection Control Wells**

**UIC**

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

### **Water Wells**

**WATER WELLS**

The water well database, maintained and made available by the Illinois State Geological Survey (ISGS), is an official repository for records of wells drilled in the state of Illinois in the Geoscience Information Stewardship Section.

## Liability Notice

**Reliance on information in Report:** The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

**License for use of information in Report:** No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

**Your Liability for misuse:** Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

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# User Provided Information



## USER QUESTIONNAIRE

Project No. \_\_\_\_\_ Date: \_\_\_\_\_  
Site Name/ Address: \_\_\_\_\_  
Site Contact (to arrange site visit/conduct Site owner interview): Name: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by or on behalf of EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *Environmental Professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

User (Print Name): \_\_\_\_\_  
Title: \_\_\_\_\_  
Signature: \_\_\_\_\_

Information regarding these questions was obtained from the following parties (if applicable): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Purpose of this Assessment: ☐ Selling the *property* ☐ Purchasing the *property* ☐ Construction loan  
☐ Re-financing the *property* ☐ Other (explain): \_\_\_\_\_

### 1. Title Records

Land title records (or judicial records where appropriate, see Note 1 below) are filed under federal, tribal, state or local law and should be reviewed to identify environmental liens or activity and use limitations (AULs), if any, that are currently recorded or filed against the *property*. Are land title records available for review? ☐ No ☐ Yes (If yes, please provide.) ☐ Unknown

**Note 1** – In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases, judicial records must be searched for environmental liens and AULs.

### 2. Environmental liens that are filed or recorded against the *property* (40 CFR 312.25)

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law?

☐ No ☐ Yes ☐ Unknown

Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 3. Activity and land use restrictions (AULs) that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and (vi))

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state, or local law?

☐ No ☐ Yes ☐ Unknown

Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



4. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**  
Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or and *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29)**  
Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?  
☐ No ☐ Yes ☐ Unknown ☐ N/A- there is no transfer of ownership  
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. **Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30)**  
Are you aware of any commonly known or *reasonably ascertainable* information about the *property* that could help the *Environmental Professional* to identify conditions indicative of releases or threatened releases? For example:  
(a) Do you know of the past uses of the *property*?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(b) Do you know of specific chemicals that are present or once were present at the *property*?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(c) Do you know of spills or other chemical releases that have taken place at the *property*?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(d) Do you know of any environmental cleanups that have taken place at the *property*?  
☐ No ☐ Yes ☐ Unknown  
Based on review of readily available information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





7. **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

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

☐ No      ☐ Yes      ☐ Unknown

Based on review of readily available information: \_\_\_\_\_

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Please provide attachments if necessary to explain any answers to the above questions.

**ALTA Commitment  
SCHEDULE A**

**[Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:**

Issued By:  
Stewart Title Guaranty Company  
P.O. Box 2029, Houston, TX 77252

Commitment Number: 23000372016-01

Revision Number:

Agreement Number: ]

1. Commitment Date: August 16, 2023, at 8:00 a.m.
2. Policy to be issued:
  - a. 2021 ALTA® Owner's Policy  
  
Proposed Insured: To Be Determined  
Proposed Amount of Insurance: \$1,000.00  
The estate or interest to be insured: To Be Determined
3. The estate or interest in the Land at the Commitment Date is:  
  
Fee Simple
4. The Title is, at the Commitment Date, [vested in:](#)  
  
Tri-County Landfill Co.
5. The Land is described as follows:

**SEE ATTACHED SCHEDULE A - EXHIBIT A**

## SCHEDULE A - EXHIBIT A

### Parcel ID No.:09-01-200-017

That part of the North Half of Section 1, Township 40 North, Range 8 East of the 3<sup>rd</sup> Principal Meridian, described as follows: Commencing at the North East corner of said Section 1; thence West along the North Line of said Section 1285.25 feet to the extended tangent center line from the South of the concrete pavement on State Highway No. 25; thence Southwesterly along said center line and said line extended 2088.0 feet; thence Westerly along a line making an angle of 102°49' measured from North East to North to West, with said described center line and extended center line 10.9 feet to a point in the center of the concrete pavement; thence continuing West along said last described line extended (being also the North line of a 10.06 acres parcel of land conveyed to Clairmarie Vanek by deed dated March 25, 1959 and recorded April 6, 1959 in [book 1954, page 319](#) as Document 886279) 1094.7 feet to a point on the Easterly right of way line of the Chicago, Aurora and Elgin Railway; thence Northwesterly along the said Easterly right of way line of railway on a curve to the right having a radius of 2814.93 feet a distance of 148.82 feet for the point of beginning; thence East on a line parallel to and 140.0 feet North of, as measured at right angles, to the said North line of said Vanek 10.06 acre parcel of land, a distance of 1188.07 feet to the said center of the concrete pavement of State Highway No. 25; thence Northeasterly along said center line to a line drawn parallel with and 532.62 feet South of, measured at right angles, the North line of Section 1; thence West along said parallel line to the Easterly line of the aforesaid right of way of the Chicago, Aurora and Elgin Railway; thence Southerly along said Easterly line to the point of beginning in the Township of St. Charles, Kane County, Illinois.

## **SCHEDULE B – I**

### **Requirements**

File No.: 23000372016-01

All of the following Requirements must be met:

1. The Proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.
2. Pay the agreed amount for the estate or interest to be insured.
3. Pay the premiums, fees, and charges for the Policy to the Company.
4. Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.
5. Pay all taxes, charges, assessments, levied and assessed against subject premises, which are due and payable.
6. Satisfactory evidence that improvements and/or repairs or alterations to the Land are completed, that contractor, sub-contractors, labor and materialmen are all paid, and have released of record all liens or notice of intent to perfect a lien.
7. If the fee owner is an entity, evidence of the good standing, incumbency and authority of that entity and of the Proposed Insured shown in Schedule A, Item 2(a) who will execute the instrument(s) required by the Company.

With regard to Tri-County Landfill Co., the Company requires for its review a copy of the following:

- a. Articles of incorporation, and any amendments thereto;
  - b. Bylaws, and any amendments thereto;
  - c. Good Standing Certificate evidencing that the corporation is in good standing in the state of its incorporation and in the state where the Land is located (if different);
  - d. Resolution of the Board of Directors and/or Shareholders authorizing the proposed transaction and the authority of the officers to execute the transaction documents; and
  - e. Evidence of payment of corporate/franchise taxes due, where applicable.
8. The Policy(ies) to be issued together with endorsements and any coverage therein is conditioned upon the approval of the Company's Senior Underwriting Committee, which may include further requirements.

Note: The above will be deleted upon receipt of the requisite approvals and not carried forward to the Policy.

NOTE: The Company reserves the right to make any additional requirements and/or exceptions to this commitment and any subsequent endorsements thereto upon review of all required documents or in otherwise ascertaining further details of the transaction.

## COMMITMENT FOR TITLE INSURANCE

### SCHEDULE B – II

#### Exceptions

File No.: 23000372016-01

**Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.**

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I - Requirements are met.



#### Standard Exceptions:

1. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by a current, accurate and complete land title survey or inspection of the Land.
2. Rights or claims of parties in possession not recorded in the Public Records.
3. Rights of tenants in possession as tenants only under leases not recorded in the Public Records.
4. Easements or claims of easements not recorded in the Public Records.
5. Taxes or assessments which are not recorded as existing liens in the Public Records.
6. Any lien, or right to a lien, for services, labor, material or equipment, heretofore or hereafter furnished, imposed by law and not recorded in the Public Records
7. Minerals of whatsoever kind, subsurface and surface substances, including but not limited to coal, lignite, oil, gas, uranium, clay, rock, sand and gravel in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed in Schedule B. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.
8. Any inaccuracy in the area, square footage, or acreage of Land described in Schedule A. The Company does not insure the area, square footage, or acreage of the Land.

#### Special Exceptions:

9. Taxes for 2022 in the amount of 395.50 are paid.  
Parcel ID No.:09-01-200-017
10. Dedication of Right of Way for Public Road Purposes dated December 28, 1929, by and between J. F. Reinert,

Margaret Reinert and Mary A. Reinert, as Grantors, and the County of Kane acting by and through the County Superintendent of Highways of said County, as Grantee, recorded January 6, 1930, in [Book 883, Page 449](#), Public Records of Kane County, Illinois.

11. Dedication of Right of Way for Public Road Purposes dated March 31, 1943, by and between Material Service Corporation, an Illinois corporation, as Grantor, and the County of Kane, Illinois, acting by and through the County Superintendent of Highways of said county, as Grantee, recorded April 9, 1943, in [Book 1176, Page 508](#), Public Records of Kane County, Illinois.
12. Easement in favor of Illinois Bell Telephone Company dated December 10, 1945, and recorded January 13, 1949, in [Book 1436, Page 390](#), Public Records of Kane County, Illinois. 
13. Reservation of an Easement for Ingress and Egress by Michigan Avenue National Bank of Chicago, as evidenced by Trustee's Deed dated May 10, 1968, and recorded October 11, 1978, as [Document No. 1478701](#), Public Records of Kane County, Illinois.
14. The following matters as shown on Plat of Survey by W.A. Rakow and Associates, Roger R. M\_\_\_\_\_, dated July 6, 1982, recorded September 27, 1982, as [Document No. 1617552](#), Public Records of Kane County, Illinois.
  - a. Right of Way for Chicago, Aurora & Elgin Railroad along West boundary
  - b. State Route 25 along East boundary
15. Notice of Issuance of Unilateral Administrative Order requiring remediation of a Super Fund Site recorded October 28, 1998, as [Document No. 98K099341](#), Public Records of Kane County, Illinois. 
16. Environmental Covenant dated February 15, 2013, by and between Tri-County Landfill Company, Inc., as Grantor, and the Illinois Environmental Protection Agency, Tri-County Landfill Company, Inc., and Waste Management of Illinois, Inc., as Holders (and Grantees for purposes of indexing), recorded February 21, 2013, as [Document No. 2013K014068](#), Public Records of Kane County, Illinois.

TRUSTEE'S DEED 1930782

CLERK FOR RECORD  
HANE COUNTY WILL.

SEP 18 AM 9 45

FORM 1011 W.S.B.

THE ABOVE SPACE FOR RECORDERS USE ONLY

THIS INDENTURE, made this 1st day of August, 1988, between MICHIGAN AVENUE NATIONAL BANK OF CHICAGO, a National Banking Association, as Trustee under the provisions of a deed or deeds in trust, duly recorded and delivered to said corporation in pursuance of a trust agreement dated the 10th day of May, 1968, and known as Trust Number 1379 party of the first part, and TRI-COUNTY LANDFILL COMPANY, INC., whose address is: 310 West Lake Street, Elmhurst, Illinois 60126

party of the second part.  
WITNESSETH, that said party of the first part, in consideration of the sum of (\$10.00) TEN DOLLARS AND No/100----- dollars, and other good and valuable considerations in hand paid, does hereby grant, sell and convey unto said party of the second part,

KANE  
the following described real estate, situated in Cook County, Illinois, to-wit:  
LEGAL DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF

together with the tenements and appurtenances thereunto belonging.  
To Have and to Hold the same unto said party of the second part

This deed is executed pursuant to and in the exercise of the power and authority granted to and vested in said trustee by the terms of said deed or deeds in trust delivered to said trustee in pursuance of the trust agreement, above mentioned. This deed is made subject to the lien of every trust deed or mortgage (if any there be) of record in said county, given to secure the payment of money, and remaining unleased at the date of the delivery hereof.  
IN WITNESS WHEREOF, said party of the first part has caused its corporate seal to be hereto affixed, and has caused its name to be signed to these presents by its vice-president, and attested by its assistant secretary, the day and year first above written.

FIRST COLONIAL TRUST COMPANY, FORMERLY  
Michigan Avenue National Bank By \_\_\_\_\_ Vice-President  
Attest: Manay Rodighiero Assistant Secretary

STATE OF ILLINOIS, ss. I, Joyce A. Madsen  
COUNTY OF COOK ss. A Notary Public in and for said County, in the state aforesaid, DO HEREBY CERTIFY, that  
Robert R. Lombardo Vice-President of the FIRST COLONIAL TRUST COMPANY, FORMERLY  
Donald R. Bonistalli Vice-President of the MICHIGAN AVENUE NATIONAL BANK, and  
Assistant Secretary of said Corporation, personally known to me to be the same persons whose names are subscribed to the foregoing instrument as such Vice-President and Assistant Secretary respectively, appeared before me this day in person and acknowledged that they signed and delivered the said instrument as their own free and voluntary act, and as the free and voluntary act of said Corporation, for the uses and purposes therein set forth; and the said Assistant Secretary did also then and there acknowledge that he, as custodian of the corporate seal of said Corporation, did affix the said corporate seal of said Corporation to said instrument as his own free and voluntary act and as the free and voluntary act of said Corporation, for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this 13th day of August, 1988

Joyce A. Madsen  
Notary Public

DELIVERY INSTRUCTIONS  
NAME Butler Rubin, Newcomer  
STREET 31st West Plaza, 1505  
CITY Chicago IL 60662 \$07.00  
OR Enn  
RECORDER'S OFFICE BOX NUMBER 1930782

FOR INFORMATION ONLY  
INSERT STREET ADDRESS OF ABOVE  
DESCRIBED PROPERTY HERE

MAIL TAX BILL TO:  
Tri-County Landfill Company, Inc.  
310 West Lake Street  
Elmhurst, Illinois 60126

THIS INSTRUMENT WAS PREPARED BY  
FIRST COLONIAL TRUST COMPANY  
80 NORTH LAKE STREET  
CHICAGO, ILLINOIS 60611

THIS SPACE FOR AFFIXING RIDERS AND REVENUE STAMPS

Exempt by the authority of the Illinois  
Revised Statutes, Chapter 120, Section 1004(e)  
as transfer where there is no actual consideration.

Document Number

MANAY RODIGHIERO  
Land Trust Officer



That part of the North Half of Section 1, Township 40 North, Range 8 East of the 3rd Principal Meridian, described as follows: Commencing at the North East corner of said Section 1; thence West along the North Line of said Section 1285.25 feet to the extended tangent center line from the South of the concrete pavement on State Highway No. 25; thence Southwesterly along said center line and said line extended 2088.0 feet; thence Westerly along a line making an angle of  $102^{\circ} 49'$  measured from North East to North to West, with said described center line and extended center line 10.9 feet to a point in the center of the concrete pavement; thence continuing West along said last described line extended (being also the North line of a 10.06 acre parcel of land conveyed to Clairmarie Vanek by deed dated March 25, 1959 and recorded April 6, 1959 in book 1954, page 319 as Document 886279) 1094.7 feet to a point on the Easterly right of way line of the Chicago, Aurora and Elgin Railway; thence Northwesterly along the said Easterly right of way line of railway on a curve to the right having a radius of 2814.93 feet a distance of 148.82 feet for the point of beginning; thence East on a line parallel to and 140.0 feet North of, as measured at right angles, to the said North line of said Vanek 10.06 acre parcel of land, a distance of 1188.07 feet to the said center of the concrete pavement of State Highway No. 25; thence Northeasterly along said center line to a line drawn parallel with and 532.62 feet South of, measured at right angles, the North line of Section 1; thence West along said parallel line to the Easterly line of the aforesaid right of way of the Chicago, Aurora and Elgin Railway; thence Southerly along said Easterly line to the point of beginning, in the Township of St. Charles, Kane County, Illinois.

SECTION RECORD  
KANE COUNTY, ILL.

201 SEP -8 AM 9:45

1930782  
ELEANOR E. JUNGELS - RECORDER OF KANE COUNTY

*Eleanor E. Jungels*

AFFIDAVIT - PLAT ACT

RECORDER

STATE OF ILLINOIS )  
                          ) SS.  
COUNTY OF KANE )

Andrea M. Gordon, being duly  
sworn on oath, states that she resides at 2754 N. Hampden Court,  
Chicago, Illinois 60614. That the attached deed is  
not in violation of Section 1 of Chapter 109 of the Illinois Revised Statutes  
for one of the following reasons:

1. The sale or exchange is of an entire tract of land not being a part of a larger tract of land.
2. The division or subdivision of land is into parcels or tracts of 5 acres or more in size which does not involve any new streets or easements of access.
3. The division is of lots or blocks of less than 1 acre in any recorded subdivision which does not involve any new streets or easements of access.
4. The sale or exchange of parcels of land is between owners of adjoining and contiguous land.
5. The conveyance is of parcels of land or interests therein for use as right-of-way for railroads or other public utility facilities, which does not involve any new streets or easements of access.
6. The conveyance is of land owned by a railroad or other public utility which does not involve any new streets or easements of access.
7. The conveyance is of land for highway or other public purpose or grants or conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use.
8. The conveyance is made to correct descriptions in prior conveyances.
9. The sale or exchange is of parcels or tracts of land following the division into no more than two parts of a particular parcel or tract of land existing on July 17, 1959, and not involving any new streets or easements of access.
10. The sale is of a single lot of less than 5 acres from a larger tract, the dimensions and configurations of said larger tract having been determined by the dimensions and configuration of said larger tract on October 1, 1973, and no sale prior to this sale, or any lot or lots from said larger tract having taken place since October 1, 1973, and a survey of said single lot having been made by a registered land surveyor.

CIRCLE NUMBER ABOVE WHICH IS APPLICABLE TO ATTACHED DEED.

AFFIANT further states that she makes this affidavit for the purpose of inducing the Recorder of Kane County, Illinois, to accept the attached deed for recording, and that all local requirements applicable to the subdivision of land are met by the attached deed and the tract described therein.

*Andrea M. Gordon*

SUBSCRIBED and SWORN to before me this 2nd day of September, A.D., 1988

*Thelma Strong*  
Notary Public

1930782

# Site Reconnaissance Worksheet

**Site Reconnaissance Worksheet**

Project #	2233821		
Address	Tri-county Solar Kane County, IL		
Inspector Name/Date of Inspection	Charlie Plush	11/30/24	
Site contact name/Title/Years associated with Site	Rod Stipe	District Manager	~20 years
Site Contact Phone#/email	630-888-4611 rstipe@wm.com		
Site Size (acres)	~50 acres		
Nature of Site	Industrial	Residential	Commercial
Past Site Use (Evidence or per Site Contact)	capped landfill		
Nature of Area (circle one)	Rural	Urban	Suburban
Topography (If Sloping - Note Direction)	Terraced w/ high point @ center sloping generally south.		
Nearest Body of Water (Note Distance and Direction)	A storm water pond located along SW border approx 20 m from border		

## Adjacent Properties (Address and Use):

North	Republic services landfill ; a concrete hauling company (Markaty Inc. cement) shop + truck yard located on NE corner.
East	Nature preserve (James Tate Philip) + Blackjack's Gentleman's Club east of Hwy 25
South	Everlast Blacktop shop + storage yard.
West	WM owned landfill

## Adjacent Property Notes:

## Limitations:

- ☒ None
 ☐ Overgrown vegetation
 ☐ Topography  
☐ Snow
 ☐ Size
 ☐ Material Storage  
☐ Unaccompanied During Site Inspection
 ☐ Access (Note Inaccessible Structures):

Some snow on ground but did not limit inspection

### Site Reconnaissance Worksheet

Site Building(s) add extra pages for additional buildings

# of Structures	Date of Construction
Building Size (sq.ft.)	No. Stories
Basement (full/partial)	Frame
Building Condition	
Site Tenants and Operations	A pump house was located on SW corner of property used to pump & separate gas condensate from gas vents. Pump house had electrical connection, but was no longer operating. Pump house approx 200 sq feet basic shed.

Site Sketch (label north):

Include buildings and adjoining roads

See included map

#### Utilities Servicing the Site:

Electric:

Heating Source:

Water Supply:

Sewer/Septic:

No utilities on site except for electric hook up at pump house.

**Site Reconnaissance Worksheet**

Petroleum/Hazardous Substance

Yes \_\_\_\_

No ☒

Disposal Receipts (circle one) Yes No N/A

<u>Type</u>	<u>Quantity/Storage Container Type</u>	<u>Location</u>	<u>Staining</u>	<u>Purpose</u>

Additional Notes

Aboveground Storage Tanks

Yes \_\_\_\_

No ☒

Note: Location, capacity, contents, usage, in-service (yes/no), fill port location, vent pipe location,

leaks/stains/spills in vicinity, storage conditions – under asphalt, vaulted, under grassy area, fuel pumps)

AST Table

#	Capacity	Contents	Location	Storage Conditions	Usage
		No storage tanks on property			

Notes:



### Site Reconnaissance Worksheet

Underground Storage Tanks

Yes \_\_\_\_\_

No ☒

(i.e., vent pipes, fill ports, pumps, fill port covers)

(Note: Location, Type of Evidence, capacity, contents, usage, in-service (yes/no), fill port location, vent pipe location, leaks/stains/spills in vicinity, storage conditions – under asphalt, vaulted, under grassy area, fuel pumps)

UST Table

*Adjacent hauling company on IVE side may have tanks on them.*

#	Capacity	Contents	Location	Storage Conditions	Usage

*Same as Blacktop Co on S border.*

Evidence of the Potential Removal/Closure of

Yes \_\_\_\_\_

No ☒

Underground Storage Tanks (e.g., patches in pavement, piping, ect.)

(Note: Location, Type of Evidence, leaks/stains/spills in vicinity)

Strong, Pungent, or Noxious Odors

Yes \_\_\_\_\_

No ☒

(Note: Type and Source)

Pools of Liquid Likely to Contain Hazardous Substances

Yes \_\_\_\_\_

No ☒

Or Petroleum Products

(Note: Location, Potential Product/Hazardous Substance(s), Source)



**Site Reconnaissance Worksheet**

Drums

Yes ☒

No ☐

(Note: Location, Contents, Quantity, leaks/stains/spills in vicinity)

Moisture separator drum located in pump house in SW corner. Pump no longer operating. No leaks or stains visible.

Unidentified Substances or Containers

Yes ☐

No ☒

(Note: Type and Quantity)

Parts Washers

Yes ☐

No ☒

(Note: Type - Self-contained or Not, Location, Waste Disposal Receipts)

Oil Water Separator

(Moisture separator no longer operating)

Yes ☒

No ☐

(Note: Location, Discharge Location, Type of Wastewater Discharged to OWS, Age, Service Provider, etc.)

Moisture separator on SW corner w/ pump. Gas condensate would be drained to sump & hauled on truck off site.

Stains or Corrosion

Yes ☐

No ☒

(Note: Location, Potential Product/Hazardous Substance(s), Source)

Floor Drains

Yes ☐

No ☒

(Note: Location, Discharge Location, Type of Wastewater Discharged to Drain, Associated Oil/Water Separator)

**Site Reconnaissance Worksheet**

Sumps

(No longer operating)  
(Note: Location, Discharge Location, Type of Wastewater Discharged to Sump)

Yes ☒

No ☐

Several sumps on property to collect condensate from each to remove moisture prior to flaring. Flare removed & active gas collection no longer operating.

Equipment Potentially Containing Polychlorinated Bi-phenyls

(Note: Location, Type - Pad/Pole Mounted, PCB-containing, Owner, Condition)

Yes ☐

No ☒

Elevators

(Note: Location, Hydraulic/Mechanical/Electric, Underground Components, Location of Reservoir)

Yes ☐

No ☒

Lifts/Lift Scars

(Note: Location, Hydraulic/Mechanical/Electric, Underground Components, Location of Reservoir)

Yes ☐

No ☒

Stained Soil/Pavement

(Note: Location, Apparent Type of Staining, Source)

Yes ☐

No ☒

Stressed Vegetation

(Note: Location, Source)

Yes ☐

No ☒

**Site Reconnaissance Worksheet**

Evidence of Solid Waste Disposal and/or Filling

Yes ☒

No ☐

(e.g., mounding, piles, ect.)

(Note: Location, Contents, Staining, Odors)

The whole site is a landfill.

Storm Drains/Ditches

Yes ☒

No ☐

(Note: Location, Associated with Wastewater Treatment or Disposal, Discharge Location, Staining, Odors)

Ditches located throughout property for stormwater. Ditching is graded toward stormwater ponds on SW side of property.

Underground Injection Well/Dry Well/Monitoring Wells

Yes ☒

No ☐

(Note: Location, Associated with Wastewater Treatment or Disposal, Type of Wastewater Discharged To, Analytical Data Available)

Several groundwater monitoring wells potentially onsite; few capped. Contact Rod Stipe for exact locations.

Septic Systems

Yes ☐

No ☒

(Note: Location, Direction of Leach Lines, Type of Wastewater Discharged)

Potable Water Wells

Yes ☐

No ☒

(Note: Location and Analytical Data Available)



# Tri County Solar

## Legend

Property Boundary

Republic Services landfill

paved pr  
post pr  
track  
(w/ walking  
trail)

detention  
runoff  
south  
water

Pump  
House

stormwater  
ponds

Blacktop  
Company

Nature  
preserve

strip  
cable

WM  
landfill  
w/ blasting



1000 ft

Google Earth



# Site Photographs



Photo 1 : NE corner facing south along border gas vents



Photo 2 : Blacktop CO exterior on SE corner



Photo 3 : Blacktop Co junkyard facing south exterior



Photo 4 : Center of property facing east





Photo 5 : Center of property facing south



Photo 6 : Center of property facing west



Photo 7 : Center of property pic facing north



Photo 8 : Drum in pump house shed





Photo 9 : East border facing east exterior HWY 25 and nature preserve



Photo 10 : East border facing south Gas vents



Photo 11 : East center border facing east exterior toward HWY and nature preserve



Photo 12 : East center boundary facing west interior





Photo 13 : Gas monitoring well in sw corner



Photo 14 : Gas vents along east side of property



Photo 15 : Moisture separator label in pump house shed



Photo 16 : Leachate sump representative photo





Photo 17 : Moisture seperator label in pump shed



Photo 18 : NE Corner facing east toward cement hauling shop and HWY





Photo 19 : NE corner facing east toward cement shop and HWY 25



Photo 20 : NE Corner Facing North Cement Hauling CO



Photo 21 : NE Corner facing north exterior Republic landfill



Photo 22 : NE corner facing north toward Cement Co and HWY 25





Photo 23 : NE corner facing west along north boundary



Photo 24 : North boundary facing south interior



Photo 25 : North central along N boundary facing west



Photo 26 : NW Corner facing north exterior republic landfill





Photo 27 : NW corner facing south along east boundary



Photo 28 : NW corner facing west toward RR path and WM landfill



Photo 29 : Pump House shed interior



Photo 30 : SE Corner facing north along E boundary





Photo 31 : SE corner facing east exterior HWY 25 and Gentleman's club



Photo 32 : SE corner facing south Blacktop CO and HWY 25





Photo 33 : SE Corner facing south at Blacktop Co Shop exterior



Photo 34 : SE corner facing west along south border



Photo 35 : South center border facing south exterior blacktop company junkyard



Photo 36 : South central border facing north interior





Photo 37 : South side of pump shed



Photo 38 : Stormwater ponds sw corner facing south exterior





Photo 39 : SW corner facing east along south border



Photo 40 : SW corner facing north along west border Shed north of corner





Photo 41 : SW corner facing west exterior landfill past tree line



Photo 42 : SW corner north side of of pump house shed





Photo 43 : West center border facing east interior



Photo 44 : West center border facing west toward WM landfill exterior

# Historical Information





# FIRE INSURANCE MAPS

<b>Project Property:</b>	Tri-County Solar Route 25 Elgin IL 60120
<b>Project No:</b>	2233821
<b>Requested By:</b>	LaBella Associates
<b>Order No:</b>	23092102348
<b>Date Completed:</b>	September 22, 2023

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**Please note that no information was found for your site or adjacent properties.**



---

# CITY DIRECTORY

**Project Property:** *Tri-County Solar  
Route 25  
Elgin, IL 60120*

**Project No:** *2233821*

**Requested By:** *LaBella Associates*

**Order No:** *23092102348*

**Date Completed:** *September 26, 2023*

## Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

September 26, 2023  
RE: CITY DIRECTORY RESEARCH  
Route 25  
Elgin, IL 60120

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

7N100-8N100 of E Rt 25

**Search Notes:**

E Rt 25 is also known as 7500-7700 Dunham Rd in Elgin. E Rt 25 is also known as 400-800 W Stearns Rd in Elgin.

## Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996-97	HAINES	
1991	HAINES	
1986	HAINES	
1982	HAINES	
1977	HAINES	
1971	HAINES	
1965	POLKS	
1960	POLKS	
1956	POLKS	
1951	POLKS	
1948	POLKS	
1943	EVANS	
1939	EVANS	
1935	EVANS	
1931	EVANS	
1929	EVANS	

### Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

7 DANIEL FAY...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 TRANSTRIDE INC...NONCLASSIFIED ESTABLISHMENTS  
7 WALTER ARNOLD...RESIDENTIAL  
7 WOODLAND LANDFILL GAS RECOVERY...ELECTRIC POWER DISTRIBUTION  
14 PRAIRE STATE ENT OF DARIEN LLC...ALTERNATIVE FUELS  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
34 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
7500 WOODLAND LANDFILL...LANDFILLS-SANITARY  
7512 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7657 BLACKJACKS GENTLEMENS CLUB...CLUBS

7 BETH DESANTO...RESIDENTIAL  
7 DANIEL FAY...RESIDENTIAL  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 TRANSTRIDE INC...NONCLASSIFIED ESTABLISHMENTS  
7 WOODLAND LANDFILL GAS RECOVERY...ELECTRIC POWER DISTRIBUTION  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
14 PRAIRE STATE ENT OF DARIEN LLC...ALTERNATIVE FUELS  
7500 WOODLAND LANDFILL...LANDFILLS-SANITARY  
7512 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7540 MIDWEST WRECKING CO...AUTOMOBILE WRECKING (WHLS)  
7657 BLACKJACKS GENTLEMENS CLUB...CLUBS  
8034 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)

7 BETH DESANTO...RESIDENTIAL  
7 BLACKJACKS GENTLEMENS CLUB...CLUBS  
7 ELMHURST CHICAGO STONE CO...CONCRETE PIPE (MFRS)  
7 ELMHURST CHICAGO STONE CO...SAND & GRAVEL (WHLS)  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 J T SVC INC...SERVICES NEC  
7 JESSICA HERNANDEZ...RESIDENTIAL  
7 RESOURCE MANAGEMENT CO...RECYCLING CENTERS (WHLS)  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 WALTER ARNOLD...RESIDENTIAL  
7 WOODLAND LANDFILL...LANDFILLS-SANITARY  
8 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
8 U-HAUL...TRUCK, UTILITY TRAILER & RV RENTAL & LEASING  
14 ATM...AUTOMATED TELLER MACHINES  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
14 PRAIRE STATE ENT OF DARIEN LLC...CONVENIENCE STORES

7 BLACK JACKS & GENTLEMANS'S CLB...CLUBS  
7 ELMHURST CHICAGO STONE CO...CONCRETE PIPE (MFRS)  
7 ELVIRA HERNANDEZ...RESIDENTIAL  
7 FELY ARNOLD...RESIDENTIAL  
7 KAREN ROLOFF...RESIDENTIAL  
7 SALVADOR HERNANDEZ...RESIDENTIAL  
7 WALTER ARNOLD...RESIDENTIAL  
7 WALTER S ARNOLD LLC...SCULPTORS  
8 GRANT TRUCK & TRAILER REPAIR...TRAILERS-HORSE (WHLS)  
14 PRAIRE STATE ENT OF DARIEN LLC...SERVICE STATIONS-GASOLINE & OIL  
33 BETH BAKETZ...RESIDENTIAL  
33 FRANK ANDERSON...RESIDENTIAL  
33 ROBERT BAKETZ...RESIDENTIAL

6 I R TREE REMOVAL...ORNA SHRUB, TREE SV  
 7 BLACK JACKS & GENTLEMANS CLUB...CIVIC & SOCIAL ASSN  
 7 BLACK JACKS & GENTLEMANS CLUB...RESTAURANTS  
 7 ELMHURST CHICAGO STONE CO...SAND & GRAVEL (WHOLESALE)  
 7 ELMHURST CHICAGO STONE CO...MFG CONCRETE PDTS  
 7 ROYAL TRUCKING CO...TRUCKING  
 7 WALTER S ARNOLD LLC...MISC SERVICES NEC  
 7 WOODLAND LANDFILL...LANDFILLS-SANITARY  
 7 WOODLAND LANDFILL...REFUSE SYSTEMS  
 8 DIAMOND RENTAL CENTER INC...EQUIPMENT RENTAL/LEASING  
 8 DIAMOND RENTAL CTR...TRUCK RENTING & LEASING  
 8 DIAMOND RENTAL CTR...TRUCK RENTAL & LSG  
 8 GRANT TRUCK &...TRAILER HITCHES  
 8 GRANT TRUCK & TRAILER REPAIR...FARM & GARDEN MCHY  
 8 U-HAUL CO...TRUCK RENTAL & LSG  
 8 U-HAUL CO...TRUCK RENTING & LEASING  
 12 CYNTHIA G COLE...RESIDENTIAL  
 14 PRAIRE STATE ENT OF DARIEN LLC...GASOLINE SV STATION  
 26 KEVIN J BURRIS...RESIDENTIAL  
 70 ROBERT E HETLINGER...RESIDENTIAL  
 94 JAMES D SMITH...RESIDENTIAL  
 124 B BAKETZ...RESIDENTIAL  
 331 SANDRA G ROBERTS...RESIDENTIAL  
 414 BRAD M RUESCHAW...RESIDENTIAL  
 414 WILLIAM ROLOFF...RESIDENTIAL  
 675 MICHAEL J JR KENYON...RESIDENTIAL  
 911 J L FLOYD...RESIDENTIAL  
 917 RAY M ZEMON...RESIDENTIAL  
 921 LAURA GALINDO...RESIDENTIAL  
 944 H G MOORE...RESIDENTIAL

0 B BAKETZ...RESIDENTIAL  
 0 CYNTHIA G COLE...RESIDENTIAL  
 0 DONALD LINNEMAN...RESIDENTIAL  
 0 JAS D SMITH...RESIDENTIAL  
 0 MARK CRISCUOLO...RESIDENTIAL  
 0 WALLY SCHWEIGERT...RESIDENTIAL  
 34 DIAMOND RENTAL CTR  
 34 GRANT TRUCK & TRAILER REPAIR  
 34 U-HAUL CO  
 268 MIDWEST GROMASTER...HORTICULTURE SERVICES  
 337 BREWSTER CREEK KENNELS  
 417 BRACKMAN TRUCKING  
 417 SYNAGRO MIDWEST  
 419 MEYER MATERIAL CO  
 479 ELMHURST CHICAGO STONE CO...MONUMENTS AND GRAVE MARKERS,  
 EXCEPT TERRAZO  
 500 WOODLAND LANDFILL...NONHAZARDOUS WASTE DISPOSAL SITES  
 540 ARC DISPOSAL & RECYCLING CO...REFUSE COLLECTION AND DISPOSAL  
 SERVICES  
 657 BLACKJACKS A GENTLEMEN'S CLUB  
 911 KINVARRA STABLES  
 921 CAMP-TU-ENDIE-WEI...SPORTING CAMPS



0 DIAMOND RENTAL CTR  
 6 CAMP-TU-ENDIE-WEI  
 6 KINVARRA STABLES  
 7 ALLIANCE WASTE SVC  
 7 ARC DISPOSAL & RECYCLING CO  
 7 BIO GRO SYSTEMS INC  
 7 BLACKJACKS A GENTLEMEN'S CLUB  
 7 BRACKMAN TRUCKING  
 7 BREWSTER CREEK KENNELS  
 7 CHUCK'S TRUCK & TRAILER  
 7 CREATIVE MILLWORK  
 7 DJS ENTERPRISES  
 7 ELMHURST CHICAGO STONE CO  
 7 FOX VALLEY DOOR CO  
 7 GARAGE DOOR DISTRIBUTORS  
 7 MIDWEST DOOR CORP  
 7 TAYLOR CONSTRUCTION  
 7 TRY R FARMS INC  
 7 WOODLAND LANDFILL  
 8 GRANT TRUCK & TRAILER REPAIR  
 8 PAT-PERSONALIZED AUTO TECH  
 8 U-HAUL CO  
 9 BRADY READY-MIX CO  
 12 WHEELER CRAIG...RESIDENTIAL  
 26 SCHWEIGERT WALLY...RESIDENTIAL  
 33 BLACKHAWK STABLES  
 40 CRISCUOLO MARK...RESIDENTIAL  
 94 SMITH JAS D...RESIDENTIAL  
 124 BAKETZ B...RESIDENTIAL  
 141 TEAFOE T...RESIDENTIAL  
 151 KROLL MICHAEL C...RESIDENTIAL  
 304 UCENY C...RESIDENTIAL  
 330 HERD ROBERT A...RESIDENTIAL  
 339 ROBERTS SANDRA G...RESIDENTIAL  
 361 JOHNSON GARY...RESIDENTIAL  
 363 THOMPSON FLOYD W...RESIDENTIAL  
 414 ROLOFF GLENN W...RESIDENTIAL  
 414 ROLOFF WILLIAM J...RESIDENTIAL  
 450 LINNEMAN DONALD...RESIDENTIAL  
 540 HESTER ARNOLD R...RESIDENTIAL  
 673 HOLAN MICHAEL...RESIDENTIAL

# DUNHAM RD 60120 ELGIN

## WEALTH CODE 8.0

### SHOW AS PREFIX TO ST NO FOR MAILING 7 NORTH

7N141	DENNISON Ronald D	695-1375	+6
7N291	JOHNSON Gail	695-4498	+6
7N330	HERD Robt A	741-1444	
7N363	THOMPSON Floyd W	695-6341	8
7N512	★ MONARCH DISPOSAL CO	742-8990	8
	★ MONARCH DISPOSAL CO	741-5624	8
	★ MONARCH DISPOSAL CO	741-0896	8
	★ NORTHWSTRN RECYLING	741-5624	+6
★	4 BUS	4 RES	3 NEW

## ROUTE 25 60120 ELGIN

NO #	★ DAYS INN ELGIN	695-2100	+8
NO #	DILLON S Tenison	742-1383	
NO #	★ ELMHURST CHGO STONE	742-5311	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

7N006	ORUM Peter	695-0028	
7N021	DESANTO Clifford E	742-5898	
7N057	MALLO Michael	931-9541	2
7N151	KROLL Michael C	931-1733	
7N220	ABENDROTH Daniel	697-5759	
	ABENDROTH Linda S	697-5759	
7N239	RYAN Eugene C	742-7179	2
7N331	JORDAN Thos	697-1520	4
7N337	★ BREWSTER CREEK KNHL	697-1525	0
7N339	ROBERTS Sandra G	697-1521	9
7N414	ROLOFF Glenn W	697-0063	
	ROLOFF Wm J	888-0772	
	★ TRY R FARMS INC	888-2511	+6
7N417	★ BIO GRO SYSTEMS INC	888-2490	4
7N500	★ WOODLAND LANDFILL	741-0219	3
7N540	★ ARC DISPOSAL CO INC	741-9406	
	HESTER Arnold R	742-5790	7
7N657	★ TALISMAN RSTRNT	697-8150	+6
7N930	★ IL TOPSOIL	695-0468	+6
7N980	★ CENTENNIAL OVERHEAD	934-3830	7
	★ CHUCKS TRUCK PAINTG	697-2865	2
	★ CUTTING EDGE MLLWRK	888-9747	5
	★ FOX VLY DOOR CO	742-2400	0
	★ GRANT TRUCK REPAIR	742-6900	9
	★ MIDWEST DOOR CORP	437-2275	7
	★ MIDWEST DOOR CORP	742-2400	7
	★ MIDWST DOOR CORP	351-2288	5
	★ PAT	808-1600	+6
	★ TAYLOR KEN CONCRETE	741-9464	9

8 NORTH

8N675	KENYON Michael J Jr	697-7136	5
	SILVA Martha	695-6338	+6

9 NORTH

9N419	★ BRADY READY MIX CO	741-7870	4
	★ ELGIN READY MIX CO	888-8636	4
★	21 BUS	15 RES	6 NEW

STEARNS RD 60120  
ELGIN

WEALTH CODE 6.0.

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

32W450	LINNEMAN Donald	742-9034
--------	-----------------	----------

33 WEST

33W004	★ LITTLE WOOD FARM	622-0202	5
33W012	COLE Cynthia G	931-1849	+6
33W028	SCHWEIGERT Wally	888-8581	0
33W040	CRISCUOLO Mark	697-6506	5
33W070	HETLINGER Robt E	695-7904	5
33W094	SMITH Jas D	888-3066	5
33W124	BAKETZ B	888-4129	
★	1 BUS	7 RES	1 NEW

DUNHAM RD 60120  
ELGIN

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

747 SCHMIDT Jack 741-7513 8

..DUNHAM RD

60120 CONT..

7 NORTH

141	DENNISON Ronald DC	695-1375	3
	TEAFOE James	741-9633	8
291	XXXX	00	
330	HERD Robt A	741-1444	6
363	THOMPSON Floyd W	695-6341	8
512	★MONARCH DISPOSAL CO	742-8990	8
	★MONARCH DISPOSAL CO	741-5624	8
	★MONARCH DISPOSAL CO	741-0896	9
★	3 BUS	6 RES	.0 NEW

## ROUTE 25 60120 ELGIN

NO #	DILLON S Tenison	742-1383	
NO #	*DYNAMIC COLLISION	695-4366	7
NO #	*ELMHURST STONE CO	742-5311	
NO #	*FAITH TABERNCL PRSE	888-2811	0
NO #	*HOWARD JOHNSON	695-2100	
NO #	MOORE H G	695-4409	6
NO #	*MOOSE ROD&GUN CLUB	888-9405	
NO #	RYAN Eugene C	742-7179	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772 DORR J M 697-2847

7 NORTH

006	ORUM C	697-8658	4
	ORUM Peter	695-0028	4
021	DESANTO Clifford E	742-5898	4
057	CARTER Glen	695-2795	+1
151	KROLL Michael C	931-1733	2
267	ODELL Tammy	697-3531	9
304	UCENY Catherine	742-0774	3
337	*BREWSTER CREEK KNNL	697-1525	0
339	JORDAN Thos	697-1520	+1
	ROBERTS Sandra G	697-1521	9
414	ROLOFF Glenn W	697-0063	
	ROLOFF Wm J	888-0772	4
417	*CLEAR WATER FARMS	888-2490	+1
540	*ARC DISPOSAL CO INC	741-9406	3
	HESTER Arnold R	742-5790	7
904	*ALS EXCAVATING	695-0467	0
	*ELGIN WAYNE CONTRS	742-8492	8
	*IL TOP SOIL	695-0467	0
980	*CENTENNIAL OVERHEAD	934-3830	7
	*FOX VLY DOOR CO	742-2400	0
	*GRANT TRUCK REPAIR	742-6900	9
	*MASTERS MECHANICAL	695-6626	9
	*MIDWEST DOOR CORP	437-2275	7
	*MIDWEST DOOR CORP	351-2288	7
	*MIDWEST DOOR CORP	742-2400	7
	*ROXY CARTAGE CO INC	695-7699	0
	*TAYLOR KEN CONCRETE	741-9464	9

8 NORTH

244	JOHNSON Harold	697-0699	8
675	DAYTON Russell	741-7774	8
*	20 BUS 18 RES	3 NEW	

STEARNS RD 60120  
ELGIN

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

450	LINNEMAN Donald	742-9034	5
455	STETTNER John Chuck	741-3242	5
478	LINNEMAN Monty	742-2229	0
747	HUNTER Donald C	742-8557	

33 WEST

012	WHEELER Craig	931-1849	5
026	SCHWEIGERT Wally	888-8581	0
094	KAY Allan R	742-7907	7
124	BAKETZ B	888-4129	2
142	TILLOTSON Robt W	695-3392	2
*	0 BUS 9 RES	0 NEW	



851 MAILING  
★ 0 BUS 15 RES  
DUNHAM RD 60120 ELGIN  
NO # CRISCUOLO ANDREW 635-7362 M

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

747 SCHMIDT JACK  
797 WEIS H R

741-7313 M  
741-5062 M

7 NORTH

141 DENNISON RONALD DC  
291 RAMSEY KENNETH

635-1573 M  
741-5062 M

..DUNHAM RD

60120 CONT.,

330 HERD ROBT A

741-1444 +6

337 HURST ROGER J

741-8628 8

★ 0 BUS 7 RES

4 NEW

## ROUTE 25 60120 ELGIN

NO #	CANFIELDS BEVERAGE	742-8993	8
NO #	DILLON S TENISON	742-1383	
NO #	ELGIN WAYNE DISPSL	742-8492	
NO #	ELMHURST CHGO STONE	742-5311	
NO #	HOWARD JOHNSON	695-2100	1
NO #	JOHNSON HAROLD	697-0699	+8
NO #	MOORE H G	695-4409	+8
NO #	MOOSE ROD&GUN CLUB	888-9406	8
NO #	RYAN EUGENE C	742-7179	
NO #	TALISMAN RESTRNT	697-8150	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772 DORR J M 697-2847 8

## ..ROUTE 25

## 60120 CONT..

## 7 NORTH

008	ORUM C	697-8658	4
	ORUM PETER	695-0028	4
021	DESANTO CLIFFORD E	742-6898	4
057	MAZA KATHY	742-1551	+8
151	KROLL MICHAEL C	931-1733	2
287	MONTI MARK	931-1517	5
268	MIDWEST GROUNDCOVER	742-1790	9
304	UCENY CATHERINE	742-0774	3
331	STANLEY M E	741-6662	2
	WALTER V B	741-7885	4
339	HIGHLAND C	888-8383	+8
414	ROLOFF GLENN W	697-0063	0
	ROLOFF WM J	888-0772	4
540	ARC DISPOSAL CO INC	741-9406	3
802	MIDWEST DOOR CORP	742-2400	+8

## 8 NORTH

675 BABCOCK WM H 742-7252 3

## 14 NORTH

322 RAUPP LEROY R 695-0201 3  
★ 9 BUS 19 RES 5 NEW

## DUNHAM RD 60120 ELGIN

NO #	COPPER KING FENCE	697-7491	9
NO #	DENNISON RONALD DC	695-1375	1
NO #	ERICKSON ROBT E	741-7513	
NO #	RAMSEY KENNETH	741-8998	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

303	HEMPHILL SHELDON	741-7759	9
306	FORRESTER JAS C	695-6765	0
337	HURST ROGER J	741-9628	9
*	2 BUS	5 RES	0 NEW

DUNHAM RD 60177  
SOUTH ELGIN

NO LISTINGS

## RT 25 60120 ELGIN

NO #	BABCOCK WM H	742-7252	6
NO #	CANFIELDS BEVERAGE	742-8993	6
NO #	CUSTOM FURNITUR MFG	695-7040	
NO #	DILLON S TENISON	742-1383	
NO #	ELGIN WAYNE DISPOS	742-8492	4
NO #	ELMHURST CHICAGO CO	742-5311	
NO #	HOWARD JOHNSONS	888-9380	7
NO #	HOWARD JOHNSONS	695-2100	1
NO #	JUDD M K	931-1285	+2
NO #	MOOSE ROD&GUN CLUB	888-9405	8
NO #	RYAN EUGENE C	742-7179	4
NO #	SNIDER BOB	741-0277	1
NO #	TALISMAN RESTRNT	697-8150	5
NO #	UCENY CATHERINE	742-0774	4

SHOW AS PREFIX TO  
ST NO FOR MAILING  
6 NORTH

772	DORR J M	697-2847	8
888	MIEDEMA HAROLD J	888-3240	0
921	EBY JAS C	695-5197	1

7 NORTH

006	XXXX	00
057	MALLO E H	742-3673 +2
151	KROLL MICHAEL C	931-1733 +2
220	DEFOY PAUL	741-9108 7
	DEFOY TERRY	695-3849 +2
268	MIDWEST GROUNDCOVERS	742-1790 9
	ORUM PETER	695-0028 0
331	PAXTON RON	888-1084 1
	STANLEY M E	741-6662 +2
414	ROLOFF GLENN W	697-0063 0
	ROLOFF WM J	888-2490 9
540	A R C DISPOSAL CO	741-9406 +2
*	10 BUS	19 RES 6 NEW



## STEARNS RD 60120 ELGIN

NO #	LINNEMAN DONALD	742-9034	
NO #	RUSSELL EARL B JR	888-3360	0
NO #	SZABO JOS	695-4647	

SHOW AS PREFIX TO  
ST NO FOR MAILING  
32 WEST

455	STETTNER JOHN J	741-3242	8
673	HAAS HERMAN	741-2093	7
747	HUNTER DONALD C	742-8557	7

33 WEST

026	BROWN ANNETTE E	888-2831	0
108	KAY ALLAN R	742-7907	
124	BAKETZ B	888-4129	+2
142	TILLOTSON ROBT W	695-3392	+2
★	0 BUS	10 RES	2 NEW

## DUNHAM RD 60120 ELGIN

NO #	AWE MARVIN	742-8090
NO #	ERICKSON ROBT E	741-7513
NO #	HOUSTON B GALE JR	695-8168 3
NO #	RAMSEY KENNETH	741-8998

SHOW AS PREFIX TO  
ST NO FOR MAILING  
7 NORTH

303	DAVIDSON TERRY L	695-4992+7
363	HURST ROGER J	697-7491+7
*	0 BUS	6 RES 2 NEW

## DUNHAM RD 60177 SOUTH ELGIN

NO LISTINGS

## ROUTE 25 60120 ELGIN

NO # BABCOCK WM H 742-7252 6  
 NO #\*BLANCHARD FEED SPLY 742-5598 5  
 NO # BLANCHARD ROBT B 742-5260 5  
 NO #\*C I D TRI CO LND FLL 741-0219 4  
 NO #\*CUSTOM FURNITUR MFG 695-7040  
 NO # DELANEY HAROLD 741-0756  
 NO # DILLON S TENISON 742-1383  
 NO #\*E J KENNELS 741-5602 4  
 NO #\*ELGIN DISPOSAL CO 741-5023 4  
 NO #\*ELGIN W DSPSL CONTR 742-8492 4  
 NO #\*ELMHURST CHGO STONE 742-5311 2  
 NO # HARDER TOM 695-4367 6  
 NO #\*HOWARD JOHNSONS 741-9380  
 NO #\*HOWARD JOHNSONS 695-2100  
 NO #\*HOWARD JOHNSONS 888-9380+7  
 NO #\*MOOSE ROD&GUN CLUB 741-9405  
 NO # RYAN EUGENE C 742-7179 4  
 NO #\*SCHAUMBURG DISPOSAL 741-5023 5  
 NO #\*SKORBERGS OF ELGIN 742-6944 4  
 NO # SNIDER BOB 741-0277 6  
 NO # STANLEY LENORE N 741-1182  
 NO #\*TALISMAN CLUB 697-8150 5  
 NO #\*TRI COUNTY LANDFILL 741-9538  
 NO # UCENY CATHERINE 742-0774 4  
 NO # VALLEY VW BAPT PSNG 742-9764 3  
 NO #\*WISHING WELL KENNEL 741-1182  
 NO # YOUNG OHNS JANE 741-1182

SHOW AS PREFIX TO  
 ST NO FOR MAILING  
 7 NORTH

006\*FOX GLEN BUILDERS 741-8775  
 057 LANDER ARTHUR M 695-3806 6  
 151 DEFOY ROBT M 742-5039 6  
 220 DEFOY PAUL 741-9108+7  
 267\*MAXWELL MAINTENANCE 697-4693 6  
 414 SORENSEN CLIFFORD 741-4372+7  
 \* 18 BUS 15 RES 3 NEW

## STEARNS RD 60120 ELGIN

NO # GRIFFIN WM H 695-1690 3  
 NO # KROLL HENRY A 837-3326  
 NO # LINNEMAN DONALD 742-9034  
 NO # NELSON RICHARD L 695-7164+7  
 NO # SEATON WALTER 697-1711+7  
 NO # SZABO JOS 695-4647 2

SHOW AS PREFIX TO  
 ST NO FOR MAILING  
 32 WEST

673 HAAS HERMAN 741-2093+7  
 747 HUNTER DONALD C 742-8557+7

33 WEST

108 KAY ALLAN R 742-7907  
 124 VOLMER FRED G 742-0809+7  
 \* 0 BUS 10 RES 5 NEW

DUNHAM RD 60120 ELGIN

NO # AWE MARVIN 742-8090  
NO # ERICKSON R E CHLDN 741-7521 C  
NO # ERICKSON ROBT E 741-7513  
NO # MULLIKEN O D MD 742-156941  
NO # RAMSEY KENNETH 741-8998  
NO # RYAN EUGENE C 742-7179  
NO # SCHMIDT A J 741-8949  
NO # SIMPSON M A 695-667841  
\* 0 BUS 8 RES 2 NEW

DUNHAM RD 60177 SOUTH ELGIN  
NO # JONES BENNIE H 695-0437 0  
\* 0 BUS 1 RES 0 NEW

STEARNS RD 60120 ELGIN

NO # DASHER NORVEL O	695-4476
NO # HAAS HERMAN	741-2093
NO # KAY ALLAN R	742-7907
NO # KROLL HENRY A	837-3326
NO # LINNEMAN DONALD	742-9034
NO # MANIS GEO A	695-2070

..STEARNS RD	60120 CONT..
NO # MURPHY DON M	837-9366+1
NO # STETTNER OTTO J	742-2167
NO # TOPPER DONALD A	695-6375
NO # VOLMER FRED G	742-0809
* O BUS	10 RES 1 NEW

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED



STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

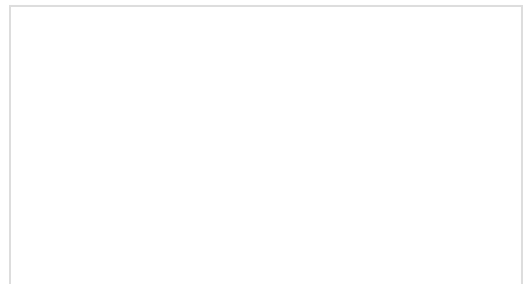
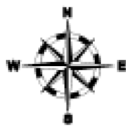
STREET NOT LISTED



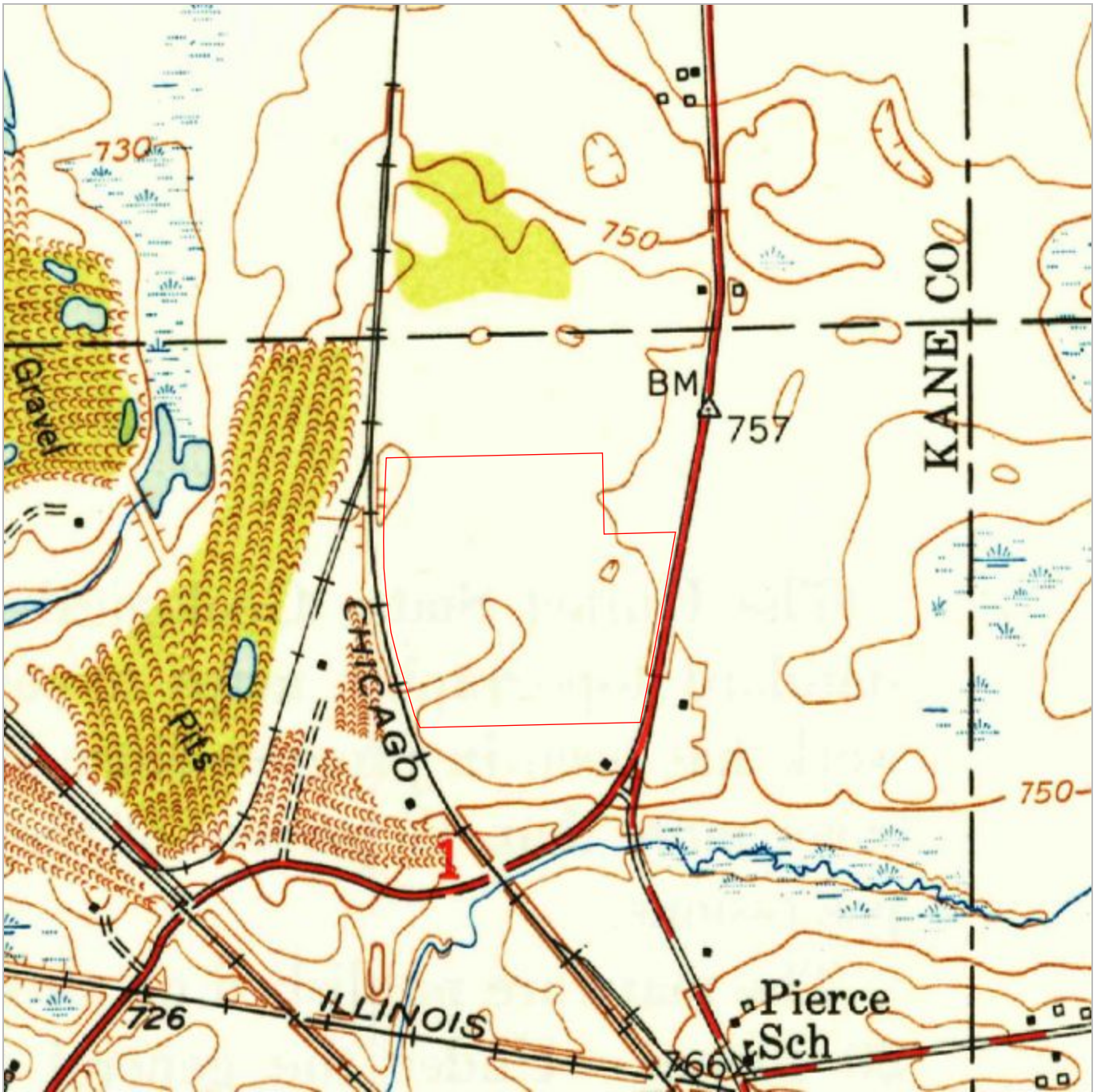
1" equals approx. 100 ft.

**1932 topographical map**

USGS, 5531717 GENEVA 15 X 15 MINUTE (1932, Revised 1932)



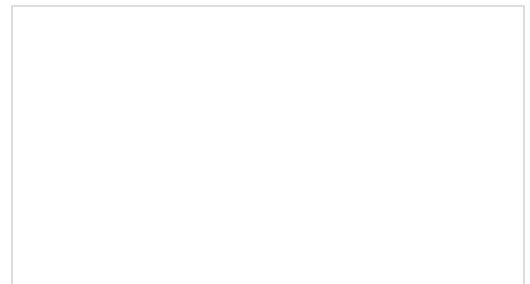




1" equals approx. 100 ft.

1949 topographical map

USGS, 5528257 GENEVA 7.5 X 7.5 MINUTE (1949, Revised 1949)

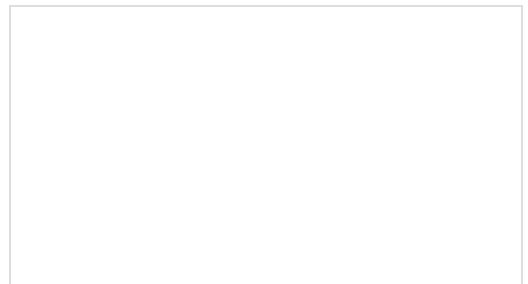




1" equals approx. 100 ft.

**1964 topographical map**

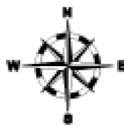
USGS, 5531713 GENEVA 15 X 15 MINUTE (1948, Revised 1964)





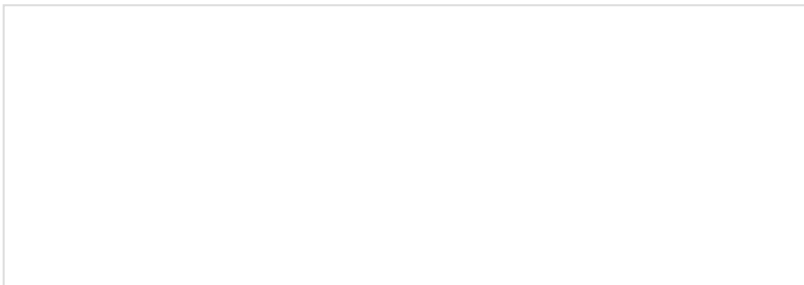


1" equals approx. 100 ft.



### 1938 aerial photograph

USDA / AAA (1939-11-14 - 1939-11-29)





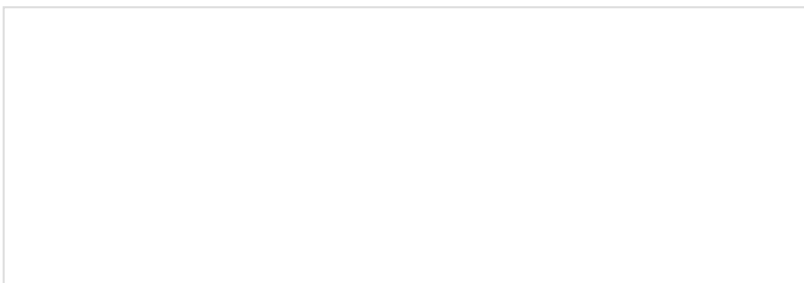
1" equals approx. 100 ft.



### 1946 aerial photograph

USGS (1946-07-04 - 1946-07-24)

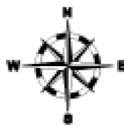
USGS (1946-07-04 - 1946-07-24)



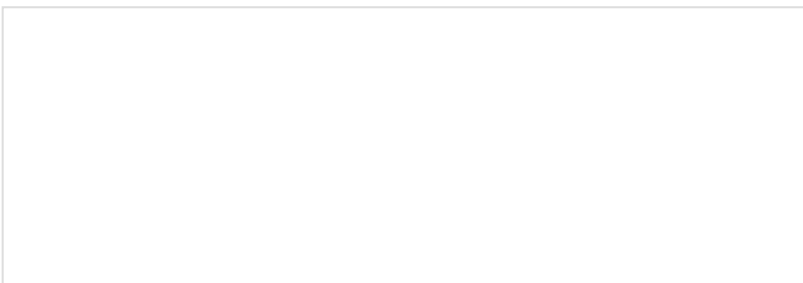




1" equals approx. 100 ft.

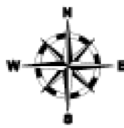


**1961 aerial photograph**  
 USDA (1961-11-07 - 1961-11-09)  
 USDA (1961-09-16 - 1961-09-28)

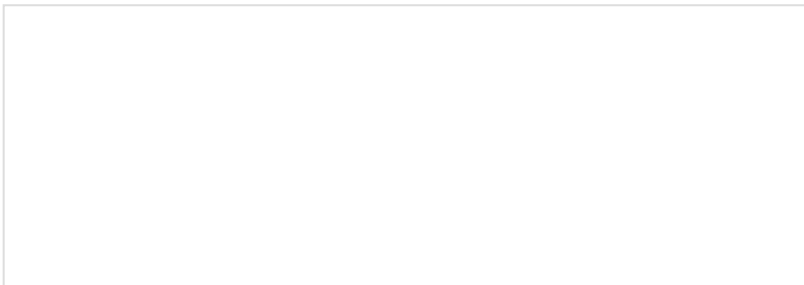




1" equals approx. 100 ft.



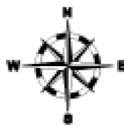
**1963 aerial photograph**  
USGS (1963-11-14 - 1963-11-14)



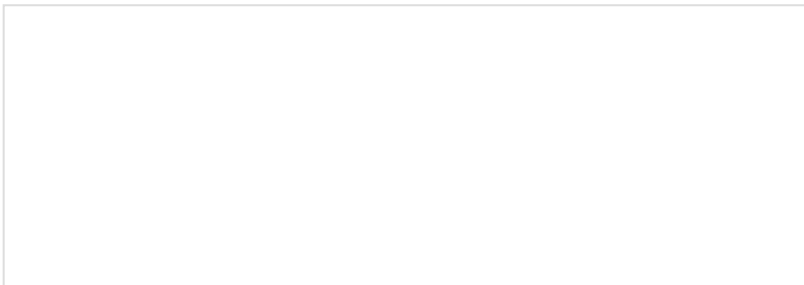




1" equals approx. 100 ft.

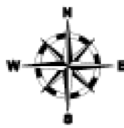


**1972 aerial photograph**  
USGS (1972-10-26 - 1972-10-26)





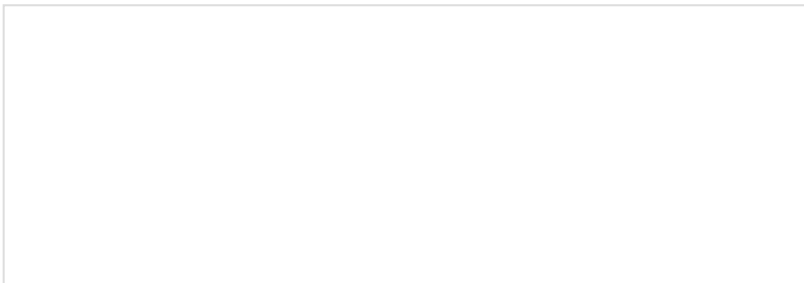
1" equals approx. 100 ft.



**1974 aerial photograph**

USDA (Unknown - 1974-10-10)

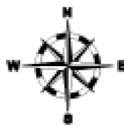
USDA (Unknown - 1974-10-10)







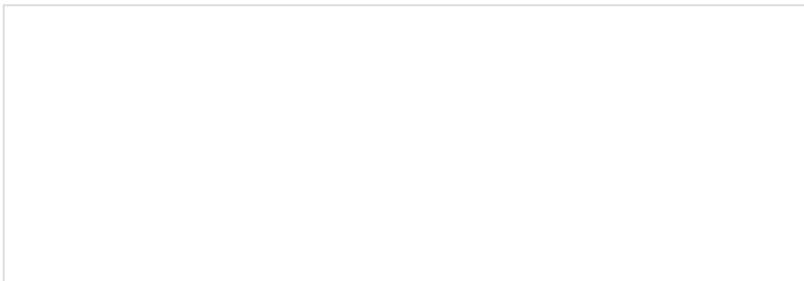
1" equals approx. 100 ft.



### 1988 aerial photograph

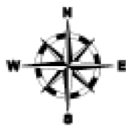
USDA (1988-04-12 - 1988-04-30)

USDA (1988-04-12 - 1988-04-30)



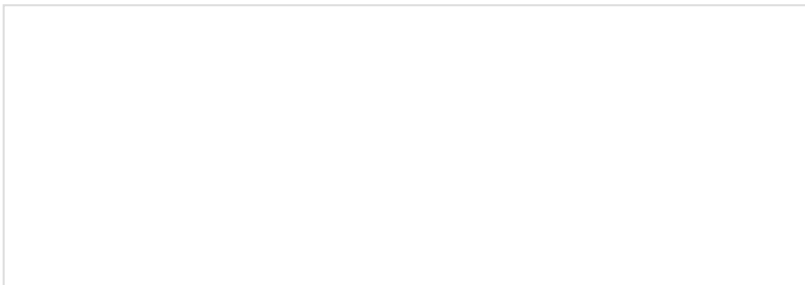


1" equals approx. 100 ft.



### 1994 aerial photograph

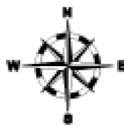
USGS DOQQ (1994-03-16 - 1994-04-17)





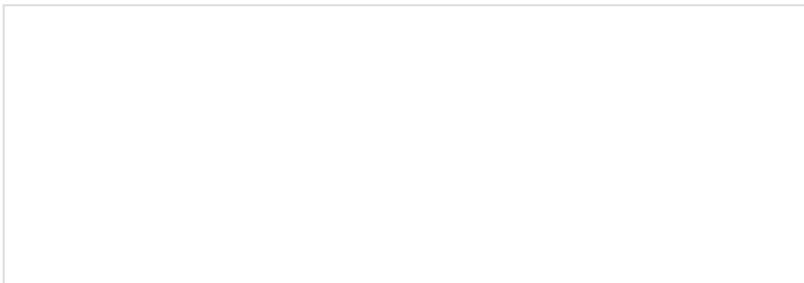


1" equals approx. 100 ft.



### 1999 aerial photograph

USGS DOQQ (1999-03-04 - 1999-04-29)







1" equals approx. 100 ft.

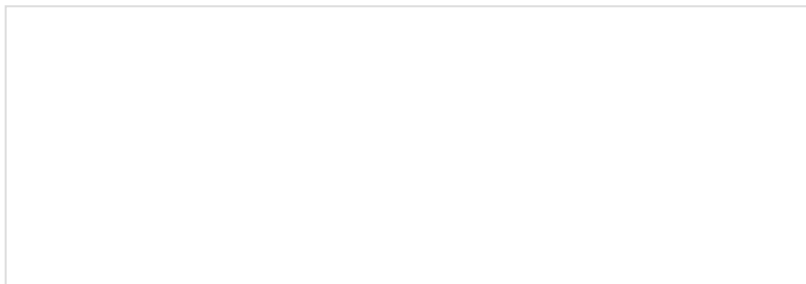


### 2002 aerial photograph

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

USGS Hi-Res Orthoimagery (2002-04-10 - 2002-04-10)

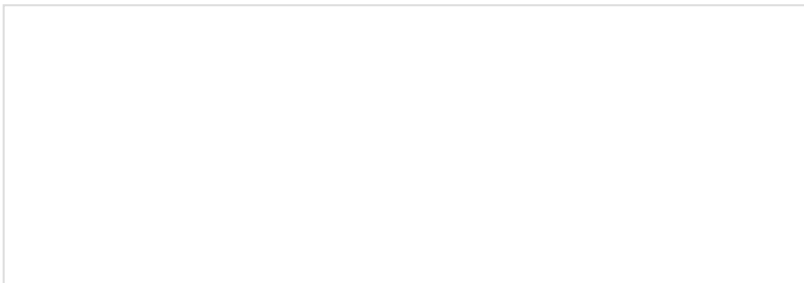




1" equals approx. 100 ft.



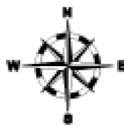
**2007 aerial photograph**  
 USDA (2007-06-07 - 2007-08-13)



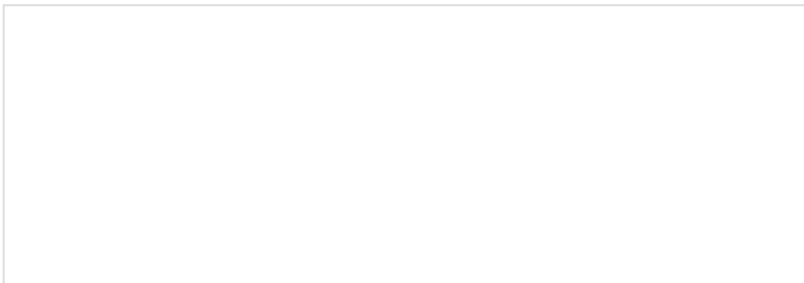




1" equals approx. 100 ft.



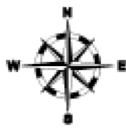
**2012 aerial photograph**  
 USDA (2012-06-05 - 2012-07-04)



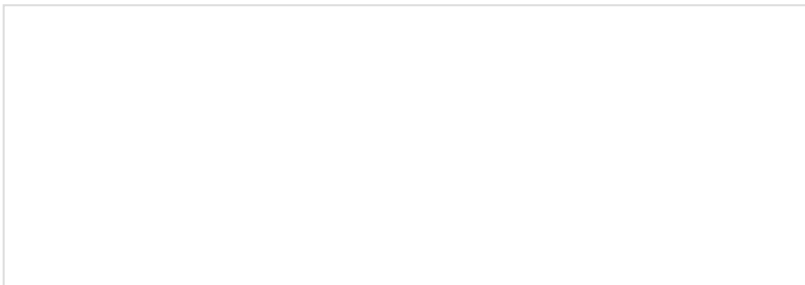




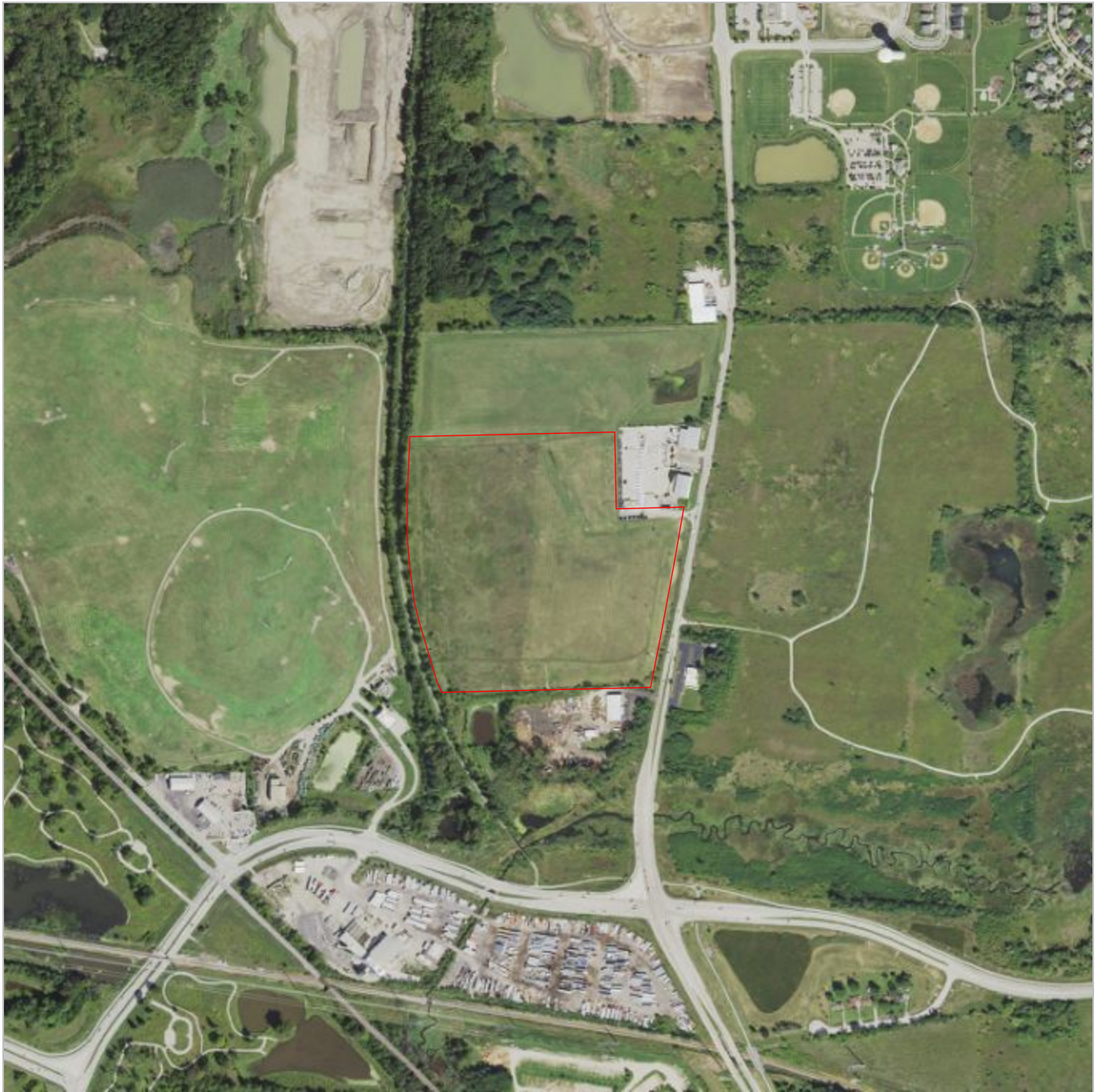
1" equals approx. 100 ft.



**2015 aerial photograph**  
USDA (2015-07-15 - 2015-10-10)







1" equals approx. 100 ft.



### 2019 aerial photograph

USDA (2019-07-08 - 2019-10-09)

USDA (2019-08-09 - 2019-09-14)

USDA (2019-08-09 - 2019-09-14)

USDA (2019-08-02 - 2019-09-14)



# Owner/Operator-Provided Information





Project No. \_\_\_\_\_ Date of Interview: \_\_\_\_\_ Conducted by: \_\_\_\_\_

Address (tax # if undeveloped): \_\_\_\_\_

Interviewee & Relationship to Site: \_\_\_\_\_ How long affiliated with Site: \_\_\_\_\_

Title/Position/Relationship to Site ☐ Owner ☐ Owner Representative ☐ Former Owner ☐ Occupant  
☐ Former Occupant ☐ Neighbor ☐ Purchaser ☐ Seller ☐ Real estate agent  
☐ Property Manager ☐ Other (explain): \_\_\_\_\_

Additional Contacts: \_\_\_\_\_

1. What is the purpose of this assessment? ☐ Selling the property ☐ Purchasing the property  
☐ Construction loan ☐ Re-financing the property ☐ Other (explain): \_\_\_\_\_

2. Do you have a PROPERTY SURVEY MAP or OTHER MAPPING of the Site available?  
☐ No ☐ Yes ☐ Unknown (if Yes, please provide if possible)

3. Number of building(s): \_\_\_\_\_ Total sq. ft. of building(s): \_\_\_\_\_  
Acreage of Site: \_\_\_\_\_ ☐ Unknown ☐ NA

Building #1/location:	Sq. ft.	Construction Date:
Building #2/location:	Sq. ft.	Construction Date:
Building #3/location:	Sq. ft.	Construction Date:
Building #4/location:	Sq. ft.	Construction Date:

4. What is the CURRENT USE(S) of the Site (and/or Site Buildings if applicable) and DATES, if known? ☐ Unknown

5. What are the PAST USE(S) of the Site (and/or Site Buildings if applicable) and DATES of occupancy, if known? ☐ Unknown

6. Have any buildings been BURNED or DEMOLISHED on the Site? ☐ No ☐ Yes ☐ Unknown  
Explain: \_\_\_\_\_

Was the Debris:  
Burned on Site ☐ No ☐ Yes ☐ Unknown Buried on Site ☐ No ☐ Yes ☐ Unknown  
Removed from Site ☐ No ☐ Yes ☐ Unknown  
Explain: \_\_\_\_\_

Has the Site ever been developed with a residential structure? ☐ No ☐ Yes ☐ Unknown

7. Is the SITE or any ADJOINING PROPERTY CURRENTLY or PREVIOUSLY utilized as any of the following?  
 Dry Cleaning Facility ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:
- X-ray or Film Developing ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:

Is there a Metal Recovery System in Place? ☐No ☐Yes ☐Unknown  
 Explain:

Car Repair Shop: ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:

Paint/Body Shop: ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:

Gasoline Station: ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:

Industrial Property: ☐No ☐Yes ☐Unknown ☐Site ☐Adjoining Property to the \_\_\_\_\_  
 Dates and Explain:

8. What are the CURRENT and PREVIOUS USE(S) of the ADJOINING PROPERTIES?  
Direction Current Use/Occupant Past Uses/Occupant  
 North:  
 South:  
 East:  
 West:

9. Is SANITARY WASTE WATER CURRENTLY or was PREVIOUSLY Generated and how is/was it Disposed of?  
☐No ☐Yes ☐Unknown Discharge Point: ☐Public System ☐Private System ☐Unknown  
☐Other (explain):

If PRIVATE SYSTEM where is the leach field currently located?

Is NON-SANITARY WASTE WATER CURRENTLY or was PREVIOUSLY Generated and how is/was it Disposed of?  
☐No ☐Yes ☐Unknown Discharge Point: ☐Public System ☐Private System ☐Unknown  
☐Other (explain):

If PRIVATE SYSTEM where is the discharge point currently located?

Are any of the following CURRENTLY or PREVIOUSLY located at the Site?

**SEPTIC TANK:** ☐No ☐Yes ☐Unknown Location:

Dates of Usage:

**LEACHFIELD:** ☐No ☐Yes ☐Unknown Location:

Dates of Usage:

**INJECTION WELL:** ☐No ☐Yes ☐Unknown Location:

Dates of Usage:

**DRY WELL:** ☐No ☐Yes ☐Unknown Location:

Dates of Usage:

Are any of the following CURRENTLY or PREVIOUSLY located at the Site?

**FLOOR DRAINS:** ☐No ☐Yes ☐Unknown Location:

Discharge Point:

**TRENCH DRAINS:** ☐No ☐Yes ☐Unknown Location:

Discharge Point:

**SUMP PUMPS:** ☐No ☐Yes ☐Unknown Location:

Discharge Point:

**STORM DRAINS:** ☐No ☐Yes ☐Unknown Location:

Discharge Point:

**OTHER:** ☐No ☐Yes ☐Unknown Location:

Discharge Point:

Are any FLOOR DRAINS, TRENCH DRAINS, or SUMPS connected to an OIL/WATER SEPERATOR?

☐No ☐Yes ☐Unknown ☐NA

Dates of Usage:

Location:

Have any drains been closed in place or sealed over? ☐No ☐Yes ☐Unknown

If YES, date:

Location and explain:

10. Is the Site serviced with PUBLIC or PRIVATE WATER SYSTEMS and DATES of Connection, if known?

Type Date of Connection/Usage

☐Public ☐Unknown

☐Well ☐NA

Are there, or were there ever any OBSERVATION or MONITORING WELLS located on-Site?

☐No ☐Yes ☐Unknown ☐NA

Location:

Purpose:

Dates of Usage/Installation:

11. Are ANY of the FOLLOWING located ON or ADJACENT TO the SITE? (Choose all that apply):

**Type:**

**Location:**

**Type:**

**Location:**

☐Surface water

☐Pits

☐Ponds

☐Lagoons

☐Creek

☐Drainage Ditch

☐Rivers

☐Lakes

☐Unknown

☐No

12. What type of heating does this property CURRENTLY have, if any?

Choose all that apply and identify the associated building(s) and dates of connection if applicable.

**Type**

**Date(s) of Connection/Usage**

**Type**

**Date(s) of Connection/Usage**

☐Natural Gas

☐Oil

☐Propane

☐Radiant

☐Coal

☐Hot Water

☐Not Heated

☐Unknown

☐Other (explain)

If oil: How is/was the oil stored ☐above ground storage tank

☐underground storage tank (see Question 20)

Location:

What type of heating does this property PREVIOUSLY have, if any?

Choose all that apply and identify the associated building(s) and dates of connection if applicable.

Type	Date(s) of Connection/Usage	Type	Date(s) of Connection/Usage
<input type="checkbox"/> Natural Gas		<input type="checkbox"/> Oil	
<input type="checkbox"/> Propane		<input type="checkbox"/> Radiant	
<input type="checkbox"/> Coal		<input type="checkbox"/> Hot Water	
<input type="checkbox"/> Not Heated		<input type="checkbox"/> Unknown	
<input type="checkbox"/> Other (explain)			

If oil: How is/was the oil stored ☐ above ground storage tank ☐ underground storage tank (see Question 20)  
Location:

13. Who Supplies ELECTRIC SERVICE to the Site?  
☐ RG&E ☐ National Grid ☐ NYSEG ☐ Unknown ☐ NA  
☐ Other:

14. What is the nature of SOLID WASTE Generated at the Site and Disposed of from the Site (including hazardous)?

Type of Waste?	How is it stored?	Who collects the waste and when?
----------------	-------------------	----------------------------------

15. To the best of your knowledge, have you ever GENERATED or TRANSPORTED HAZARDOUS WASTE from the Site?  
☐ No ☐ Yes ☐ Unknown (if Yes, please provide Manifests)  
Explain:

16. Do you TREAT or DISPOSE of any WASTE MATERIALS on-Site? (i.e., land filling, neutralization, incineration)  
☐ No ☐ Yes ☐ Unknown  
Explain:

17. Has any OTHER ENTITY ever been allowed to DUMP, STORE, DISPOSE, TRANSPORT, BURY, INCINERATE, OR LANDFILL any materials at the Site? ☐ No ☐ Yes ☐ Unknown

Who?	What?	When?	Location:
------	-------	-------	-----------

18. Has FILL DIRT been brought onto the Site from an UNKNOWN ORIGIN OR CONTAMINATED SITE?  
☐ No ☐ Yes ☐ Unknown  
Explain:

19. Are there areas of the Site in which the any of the following were or are located? ☐ Unknown ☐ No
- | Type:   | Location: | Type:                               | Location: |
|---|-----------|-------------------------------------|-----------|
| <input type="checkbox"/> Gravel                 |           | <input type="checkbox"/> Debris     |           |
| <input type="checkbox"/> Construction Materials |           | <input type="checkbox"/> Tree/Brush |           |
| <input type="checkbox"/> Other (explain):       |           |                                     |           |

20. Are there CURRENTLY or PREVIOUSLY any ABOVE (AST) or UNDERGROUND (UST) STORAGE TANKS located at the Site? ☐ No  
☐ Yes ☐ Unknown Are they REGISTERED with the NYSDEC? ☐ No ☐ Yes ☐ Unknown

Tank Type (AST/UST)	Capacity (Gallons)	Product	Installation Date	Removal/Closure Date
---------------------	--------------------	---------	-------------------	----------------------

1.

- 2.
- 3.
- 4.
- 5.

Are there any LEAK DETECTION DEVICES in place? ☐ No ☐ Yes ☐ Unknown

Explain:

Have any TANKS been: ☐ Unknown ☐ No

Date(s):

☐ REMOVED from the Site

Explain:

Location:

☐ CLOSED in place at the Site

Explain:

Location:

Is **Documentation/Closure Reports /Analytical Data** Available? ☐ No ☐ Yes ☐ Unknown

(Please provide copy)

Has any CONTAMINATION been identified or REMEDIATION been required at the Site; related to CURRENT OR PRIOR TANKS?

☐ No ☐ Yes ☐ Unknown

Explain:

Has any CONTAMINATION been identified or REMEDIATION been required at a neighboring property; related to CURRENT OR PRIOR TANKS? ☐ No ☐ Yes ☐ Unknown

Explain:

21. What type of CHEMICALS are CURRENTLY or have PREVIOUSLY been STORED or UTILIZED on Site?

**Type:** \_\_\_\_\_ **Usage:** \_\_\_\_\_ **Storage Container/Capacity:** \_\_\_\_\_ **Disposal Method:** \_\_\_\_\_

Are MSDS sheets readily available for these chemicals? ☐ No ☐ Yes ☐ Unknown (if Yes, please provide copies)

22. Have there been any SPILLS, UNPERMITTED DISCHARGES, or RELEASES of HAZARDOUS or CONTAMINATED MATERIALS or PETROLEUM PRODUCTS at or in the vicinity of the Site? ☐ No ☐ Yes ☐ Unknown

**What?** \_\_\_\_\_ **When?** \_\_\_\_\_ **Location:** \_\_\_\_\_

23. Are you AWARE if the SITE is listed as any of the following –Check all that Apply: ☐ No  
(please provide information for 'yes' responses)

Regulatory Listing:

Explain:

☐ National Priority or Delisted Priority List

☐ CERLCIS Site

☐ CERCLIS NFRAP Site

☐ RCRA Generator Facility

☐ RCRA Treatment/Storage/Disposal Facility

- ☐ State or Local Landfill
- ☐ National Response Site
- ☐ NYSDEC Spill Site
- ☐ Hazardous Waste Disposal Site
- ☐ Brownfield or Voluntary Cleanup Site
- ☐ Institutional or Environmental Control Site
- ☐ Hazardous Substance Site

24. To the best of your knowledge, do you have any FEDERAL, STATE, or LOCAL PERMITS for the following?  
☐ None ☐ Air Emissions ☐ SPDES (waste water discharge)  
 Explain:
25. Has the Site ever been the subject of an ENFORCEMENT ACTION by any FEDERAL, STATE, or LOCAL agency regarding ENVIRONMENTAL ISSUES? ☐ No ☐ Yes ☐ Unknown  
 Explain and provide DATES and any Documentation:
26. Is the Site presently under any FEDERAL, STATE, or LOCAL CONSENT ORDERS, DECREES, or CAUSE of ACTION?  
☐ No ☐ Yes ☐ Unknown  
 Explain and provide DATES and any Documentation:
27. Are you aware of any ENVIRONMENTAL LIENS on the Site? ☐ No ☐ Yes ☐ Unknown  
 Explain:
28. Are you aware of any LAND USE or ACTIVITY LIMITATIONS that are in place on the Site or have been FILED or RECORDED in a registry? ☐ No ☐ Yes ☐ Unknown  
 Explain:
29. Are you aware of any KNOWLEDGE or INDICATORS related to the Site that point to the PRESENCE or LIKELY PRESENCE of CONTAMINATION? ☐ No ☐ Yes ☐ Unknown  
 Explain:
30. Are you aware if the PURCHASE PRICE of this Site reasonably reflects the fair market value of the property?  
☐ No ☐ Yes ☐ Unknown ☐ NA (Site is not being sold at this time)  
 Explain:
31. Has there ever been PREVIOUS Phase I Environmental Site Assessments or environmental audits performed for the Site?  
☐ No ☐ Yes ☐ Unknown (if Yes, please provide copies if possible)  
 If yes, by Whom? \_\_\_\_\_ Date? \_\_\_\_\_  
 Concerns identified: ☐ No ☐ Yes ☐ Unknown  
 Explain:
32. Is the ABSTRACT OF TITLE for the Site available? ☐ No ☐ Yes ☐ Unknown  
 (If Yes, please provide if possible or provide name and contact information for attorney that may have report)
33. Do you have any additional information or specialized knowledge or experience regarding the Site?  
☐ No ☐ Yes ☐ Unknown  
 Explain:
34. Do you have any information related to the future use of the Site? ☐ No ☐ Yes ☐ Unknown  
 Explain:



35. Has the Site ever been utilized agriculturally? ☐No ☐Yes ☐Unknown  
If so, when?:  
Explain:

# Municipal Information

Property Information

<b>Parcel Number</b> 09-01-200-017	<b>Site Address</b>	<b>Owner Name &amp; Address</b> TRI COUNTY LANDFILL CO DAVID EVENHOUSE 11701 COOPER WAY ORLAND PARK, IL, 60467-7100	
<b>Tax Year</b> 2023 (Payable 2024) ▼			
<b>Sale Status</b> None			
<b>Property Class</b> 0060 - Commercial	<b>Tax Code</b> SC003 -	<b>Tax Status</b> Taxable	
<b>Net Taxable Value</b> 0	<b>Tax Rate</b> Unavailable	<b>Total Tax</b> Unavailable	<div>Pay Taxes</div> <div>Print Tax Bill</div>
<b>Township</b> ST CHARLES	<b>Acres</b> 40.9900	<b>Mailing Address</b>	

Legal Description (not for use in deeds or other transactional documents)

No Billing Information

Payment History

Tax Year	Total Billed	Total Paid	Amount Unpaid
2022	\$395.50	\$395.50	\$0.00
2021	\$380.82	\$380.82	\$0.00
2020	\$382.02	\$382.02	\$0.00

Show 18 More

Assessments

Level	Homesite	Dwelling	Farm Land	Farm Building	Mineral	Total
S of A Equalized	4,406	0	0	0	0	4,406
Supervisor of Assessments	4,406	0	0	0	0	4,406
Township Assessor	4,406	0	0	0	0	4,406
Prior Year Equalized	4,877	0	0	0	0	4,877

There are 8 levels of assessments in an assessment year. The assessed value is not final for the year until all levels of assessment are complete. The assessment year is complete when the DOR Equalized line appears at the top of the list shown above.

No Exemptions

No Taxing Bodies Information

No Redemptions

No Forfeiture Information

No Farmland Information

 Map

View Full Screen

No Sales History Information

Disclaimers

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## **Freedom of Information Act Request to the Office of the Kane County Clerk**

**\*\*Note to Requester: This form is designed to provide you with helpful guidance on how to submit a FOIA request to the Kane County Clerk's office. You do not need to use this form. You may submit a FOIA request in any written format that you choose. You should retain a copy of your FOIA request for your files.\*\***

Request Submitted to: The Kane County Clerk  
719 S. Batavia Avenue—Bldg. B  
Geneva, Illinois 60134

Date Requested: September 21, 2023

Request Submitted by: ☒ Email ☐ U.S. Mail ☐ Fax ☐ In Person

Name of Requester: Michael Delaney

Street Address: 300 State Street, Suite 201

City/State/Zip: Rochester, NY 14614

Telephone (Optional): 585-694-0655 Email (Optional): mdelaney@labellapc.com

Fax (Optional): \_\_\_\_\_

Records requested: **Provide as much specific detail as possible to help identify the information that you are seeking. Additional pages may be attached if necessary.**

•Assessment Records (current and/or historical property cards)  
•Building Inspection/Code Enforcement Records (records of tank installation, permits, removals, or closures, construction/demolition permits)  
•Records of Environmental Concerns, issues, or violation (if available)  
•Fire Marshal Records (records of fires or spills at the Site)  
•Records of soil or groundwater contamination/cleanup or on-Site remediation (if available)  
For:  
Address: Unaddressed Parcel on Route 25, St Charles, IL 60120 (Former Tri-County Landfill)  
TaxID: 09-01-200-017  
Owner: Tri County Landfill Co

Do you want to receive copies of the documents? ☒ Yes ☐ No

Or do you want to review the documents in the Kane County Clerk's Office? ☐ Yes ☒ No

If you would like to receive copies of the documents:

Do you want paper copies or electronic copies? \_\_\_\_\_Paper ☒Electronic

If you want electronic copies, please indicate the format in which you would like to receive them: PDF via email

The Kane County Clerk's Office will provide documents in the electronic format requested, if feasible.

Is this request for a commercial purpose? \_\_\_\_\_Yes ☒No

**It is a violation fo the Freedom of Information Act for a person to knowingly obtain a public record for a commercial purpose without disclosing that it is for a commercial purpose, if it is requested to do so by the public body. 5 ILCS 140.3.1 (c)**

Are you requesting a fee waiver? \_\_\_\_\_Yes ☒No

**If you are requesting a waiver of any fees for copying the documents, you must attach a statement of the purpose of the request and whether the principal purpose of the request is to access or disseminate information regarding the health, safety and welfare or legal rights of the general public. 5 ILCS 140/6 (c)**



# Regulatory Information



# DATABASE REPORT

<b>Project Property:</b>	<i>Tri-County Solar Route 25 Elgin IL 60120</i>
<b>Project No:</b>	<i>2233821</i>
<b>Report Type:</b>	<i>Database Report</i>
<b>Order No:</b>	<i>23092102348</i>
<b>Requested by:</b>	<i>LaBella Associates</i>
<b>Date Completed:</b>	<i>September 22, 2023</i>

## Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

# Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	8
Executive Summary: Site Report Summary - Surrounding Properties.....	9
Executive Summary: Summary by Data Source.....	13
Map.....	21
Aerial.....	24
Topographic Map.....	25
Detail Report.....	26
Unplottable Summary.....	109
Unplottable Report.....	110
Appendix: Database Descriptions.....	118
Definitions.....	133

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# Executive Summary

## Property Information:

**Project Property:** *Tri-County Solar  
Route 25 Elgin IL 60120*

**Project No:** *2233821*

### **Coordinates:**

**Latitude:** *41.98281015*  
**Longitude:** *-88.27141827*  
**UTM Northing:** *4,648,649.41*  
**UTM Easting:** *394,674.90*  
**UTM Zone:** *UTM Zone 16T*

**Elevation:** *788 FT*

## Order Information:

**Order No:** *23092102348*  
**Date Requested:** *September 21, 2023*  
**Requested by:** *LaBella Associates*  
**Report Type:** *Database Report*

## Historicals/Products:

<b>City Directory Search</b>	<i>CD - 2 Street Search</i>
<b>ERIS Xplorer</b>	<a href="#"><i>ERIS Xplorer</i></a>
<b>Excel Add-On</b>	<i>Excel Add-On</i>
<b>Fire Insurance Maps</b>	<i>US Fire Insurance Maps</i>
<b>Physical Setting Report (PSR)</b>	<i>Physical Setting Report (PSR)</i>
<b>Vapor Screening Tool</b>	<i>Vapor Screening Tool</i>

## Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	1	0	0	0	0	1
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	1	1	0	-	2
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	1	-	1
CERCLIS	Y	0.5	1	0	0	1	-	2
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	1	-	1
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	1	-	-	1
RCRA NON GEN	Y	0.25	0	1	1	-	-	2
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	1	0	-	1
FED INST	Y	0.5	0	0	1	0	-	1
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	1	0	0	1
DOE FUSRAP	Y	1	0	0	0	0	0	0
<b>State</b>								
SSU	Y	1	0	0	0	0	0	0
DELISTED SSU	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	1	0	2	0	-	3
SWF/LF SPECIAL	Y	0.5	0	0	0	0	-	0
NIPC	Y	0.5	0	1	3	0	-	4
CCDD	Y	0.5	0	0	0	1	-	1
LUST	Y	0.5	0	1	1	0	-	2
LUST DOCUMENT	Y	0.5	0	1	2	0	-	3
DELISTED LUST	Y	0.5	0	0	0	0	-	0
LUST TRUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	1	2	-	-	3
AST	Y	0.25	0	2	3	-	-	5
DELISTED TANK	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	0	0	0	-	0
INST	Y	0.5	0	0	0	0	-	0
AUL	Y	0.5	0	1	0	0	-	1
SRP	Y	0.5	0	0	0	0	-	0
REM ASSESS	Y	0.5	1	0	0	0	-	1
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWN MBRGP	Y	0.5	0	0	0	0	-	0
<b>Tribal</b>								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0



<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<b>County</b>								
TANKS CHICAGO	Y	0.25	0	0	0	-	-	0
PERMITS CHICAGO	Y	0.125	0	0	-	-	-	0
<b><u>Additional Environmental Records</u></b>								
<b>Federal</b>								
FINDS/FRS	Y	PO	1	1	-	-	-	2
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	2	0	0	-	2
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	2	-	-	-	-	2
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	1	-	-	1

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	1	1
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0

#### State

SPILLS	Y	0.5	0	1	2	2	-	5
SPILL OER	Y	0.5	0	0	0	0	-	0
PFAS	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
IEPA DOCS	Y	PO	0	-	-	-	-	0
CDL	Y	0.25	0	0	0	-	-	0
TIER 2	Y	0.125	1	0	-	-	-	1
AIR PERMITS	Y	0.25	0	0	2	-	-	2
UIC	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
COMPOST	Y	0.5	0	0	0	0	-	0

#### Tribal

**No Tribal additional environmental record sources available for this State.**

#### County

**No County additional environmental record sources available for this State.**

---

<b>Total:</b>	<b>8</b>	<b>13</b>	<b>24</b>	<b>6</b>	<b>1</b>	<b>52</b>
---------------	----------	-----------	-----------	----------	----------	-----------

\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

## Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	NPL	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID: ILD048306138</i>	NNE	0.00 / 0.00	0	<a href="#">26</a>
<a href="#">2</a>	SWF/LF	Tri-County	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	0	<a href="#">27</a>
<a href="#">2</a>	REM ASSESS	Waste Mgmt of Il - Closed Landfill	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	0	<a href="#">27</a>
<a href="#">3</a>	FINDS/FRS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">28</a>
<a href="#">3</a>	ICIS	TRI-COUNTY LANDFILL COMPANY	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">29</a>
<a href="#">3</a>	ICIS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	-2	<a href="#">29</a>
<a href="#">4</a>	CERCLIS	ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177  <i>Site EPA ID: ILD981960800</i>	NNE	0.00 / 0.00	-17	<a href="#">29</a>
<a href="#">5</a>	TIER 2	South Elgin	7N.749 Route 25 Elgin IL 60120	ENE	0.00 / 0.00	-29	<a href="#">31</a>

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">6</a>	FINDS/FRS	PINGEL, BARBARA-ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120  <i>Registry ID:</i> 110007906891	ENE	0.00 / 14.22	-30	<a href="#">40</a>
<a href="#">6</a>	RCRA NON GEN	ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120  <i>EPA Handler ID:</i> ILR000106971	ENE	0.00 / 14.22	-30	<a href="#">41</a>
<a href="#">7</a>	NIPC	TRICOUNTY	ST CHARLES TWP* IL	E	0.05 / 243.13	-31	<a href="#">42</a>
<a href="#">8</a>	PFAS IND	WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	WSW	0.05 / 269.33	-29	<a href="#">42</a>
<a href="#">9</a>	LUST	Arc Disposal	7 North 540 Rt. 25 Elgin IL 60120  <i>Incident No   Incidents ID   NFR Date:</i> 991256   23824   05/31/2007	SE	0.06 / 338.31	-29	<a href="#">43</a>
<a href="#">9</a>	UST	ARC Disposal Co., Inc.	7 N 540 Rt 25 Elgin, IL 60120 IL  <i>Facility No   Facility Status:</i> 2000516   Closed <i>Tank No   Status   Removed Date:</i> 1   Removed   8/12/1999	SE	0.06 / 338.31	-29	<a href="#">44</a>
<a href="#">9</a>	SPILLS	ARC DISPOSAL	7N540 ROUTE 25 ELGIN IL  <i>Incident No:</i> 991256	SE	0.06 / 338.31	-29	<a href="#">45</a>
<a href="#">9</a>	AST	J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120  <i>Type   Tank:</i> Tank - Above Ground Dis   TANK#1-500	SE	0.06 / 338.31	-29	<a href="#">45</a>
<a href="#">9</a>	AST	J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120  <i>Type   Tank:</i> Tank - Above Ground Disp   TANK#1-500	SE	0.06 / 338.31	-29	<a href="#">46</a>
<a href="#">9</a>	LUST DOCUMENT	Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.06 / 338.31	-29	<a href="#">46</a>
<a href="#">10</a>	AUL	TRI-COUNTY LANDFILL NPL SITE	7N930 SOUTH STATE ROUTE 25 ELGIN IL	ENE	0.07 / 355.57	-28	<a href="#">46</a>
<a href="#">11</a>	SEMS	ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177  <i>EPA ID:</i> ILD981960800	NNE	0.09 / 487.86	-17	<a href="#">47</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">12</a>	PFAS IND	WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	W	0.12 / 620.32	-37	<a href="#">48</a>
<a href="#">13</a>	MINES	BLUFF CITY MATERIALS, INC.	S. Elgin IL <i>Mine ID:</i> 1102962	NE	0.15 / 789.13	-30	<a href="#">49</a>
<a href="#">13</a>	LUST DOCUMENT	Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.15 / 789.13	-30	<a href="#">79</a>
<a href="#">13</a>	AIR PERMITS	Waste Management West-Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.15 / 789.13	-30	<a href="#">80</a>
<a href="#">14</a>	UST	Waste Management Of Illinois Inc	7 N 500 Route 25 South Elgin, IL 60177 IL <i>Facility No / Facility Status:</i> 2007470   Closed <i>Tank No / Status / Removed Date:</i> 1   Removed   7/10/1992	SSE	0.16 / 837.95	-48	<a href="#">80</a>
<a href="#">14</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120  <i>Type / Tank:</i> Tank - Above Ground Bulk   TANK #1-1500	SSE	0.16 / 837.95	-48	<a href="#">81</a>
<a href="#">14</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120  <i>Type / Tank:</i> Tank - Above Ground Bulk   TANK #3-750-	SSE	0.16 / 837.95	-48	<a href="#">81</a>
<a href="#">14</a>	AST	WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120  <i>Type / Tank:</i> Tank - Above Ground Bulk   TANK #2-1500-	SSE	0.16 / 837.95	-48	<a href="#">81</a>
<a href="#">15</a>	FED ENG	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID:</i> ILD048306138	W	0.18 / 953.16	-50	<a href="#">81</a>
<a href="#">15</a>	FED INST	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177  <i>EPA ID:</i> ILD048306138	W	0.18 / 953.16	-50	<a href="#">85</a>
<a href="#">15</a>	LUST	Waste Management West	7 North 904 Rt. 25 Elgin IL 60120  <i>Incident No / Incidents ID / NFR Date:</i> 940421   16631	W	0.18 / 953.16	-50	<a href="#">86</a>
<a href="#">15</a>	NIPC	ELGIN LANDFILL	ST CHARLES TWP* IL	W	0.18 / 953.16	-50	<a href="#">86</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">15</a>	NIPC	WOODLAND LANDFILL	ST CHARLES TWP* IL	W	0.18 / 953.16	-50	<a href="#">86</a>
<a href="#">15</a>	NIPC	WOODLAND LANDFILL #2	ST CHARLES TWP* IL	W	0.18 / 953.16	-50	<a href="#">87</a>
<a href="#">15</a>	UST	Waste Management West	7 N 904 Rt 25 Elgin, IL 60120 IL <i>Facility No / Facility Status:</i> 2001049   Closed <i>Tank No / Status / Removed Date:</i> 2   Removed   1/26/1995, 3   Removed   1/26/1995, 1   Removed   1/27/1995	W	0.18 / 953.16	-50	<a href="#">87</a>
<a href="#">15</a>	SPILLS	WASTE MANAGEMENT WEST	7N904 ROUTE 25 ELGIN IL <i>Incident No:</i> 940421	W	0.18 / 953.16	-50	<a href="#">88</a>
<a href="#">15</a>	SWF/LF	Elgin Landfill	7N904 Rte 25 South Elgin IL 60121	W	0.18 / 953.16	-50	<a href="#">89</a>
<a href="#">15</a>	SEMS	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177 <i>EPA ID:</i> ILD048306138	W	0.18 / 953.16	-50	<a href="#">90</a>
<a href="#">15</a>	SUPERFUND ROD	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	W	0.18 / 953.16	-50	<a href="#">93</a>
<a href="#">15</a>	RCRA NON GEN	WASTE MGMT WEST	7 N 904 RT 25 ELGIN IL 60120 <i>EPA Handler ID:</i> ILR000000737	W	0.18 / 953.16	-50	<a href="#">94</a>
<a href="#">16</a>	SWF/LF	Woodland Rdf	7N500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	-42	<a href="#">95</a>
<a href="#">16</a>	LUST DOCUMENT	Woodland RDF - 170000617866	7n500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	-42	<a href="#">96</a>
<a href="#">16</a>	AIR PERMITS	Woodland Rdf	7n500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	-42	<a href="#">96</a>
<a href="#">17</a>	RCRA VSQG	ECSC SOUTH ELGIN	RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177 <i>EPA Handler ID:</i> ILR000022285	SSE	0.22 / 1,175.41	-43	<a href="#">97</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#"><u>17</u></a>	SPILLS	R&L Carriers	Il Rte #25 and Dunham Rd South Elgin IL <i>Incident No:</i> H-2014-1252	SSE	0.22 / 1,175.41	-43	<a href="#"><u>98</u></a>
<a href="#"><u>18</u></a>	CERCLIS	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177 <i>Site EPA ID:</i> ILD097282750	SW	0.27 / 1,446.16	-54	<a href="#"><u>101</u></a>
<a href="#"><u>18</u></a>	CERCLIS NFRAP	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177 <i>Site EPA ID:</i> ILD097282750	SW	0.27 / 1,446.16	-54	<a href="#"><u>103</u></a>
<a href="#"><u>19</u></a>	SEMS ARCHIVE	WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177 <i>EPA ID:</i> ILD097282750	SW	0.28 / 1,453.47	-51	<a href="#"><u>104</u></a>
<a href="#"><u>20</u></a>	SPILLS	UNK	51W 504 STEARNS RD. BARTLETT IL <i>Incident No:</i> 903037	SE	0.31 / 1,660.59	-30	<a href="#"><u>105</u></a>
<a href="#"><u>21</u></a>	CCDD	47 Acres Southwind Park CCDD	2250 Southwind Blvd, Bartlett IL	NNE	0.42 / 2,192.81	-24	<a href="#"><u>106</u></a>
<a href="#"><u>22</u></a>	SPILLS	WASTE MANAGEMENT	33W900 Gilbert Street SOUTH ELGIN IL <i>Incident No:</i> 890874	W	0.47 / 2,484.88	-55	<a href="#"><u>106</u></a>
<a href="#"><u>23</u></a>	MRDS	SOUTH ELGIN PLANT & PIT	KANE COUNTY SOUTH ELGIN IL 60177 <i>Dep ID:</i> 10193209	NW	0.99 / 5,212.42	-40	<a href="#"><u>107</u></a>

## Executive Summary: Summary by Data Source

### Standard

#### Federal

##### NPL - National Priority List

A search of the NPL database, dated May 25, 2023 has found that there are 1 NPL site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">1</a>
<i>EPA ID: ILD048306138</i>				

##### SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Jul 26, 2023 has found that there are 2 SEMS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177	NNE	0.09 / 487.86	<a href="#">11</a>
<i>EPA ID: ILD981960800</i>				
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	W	0.18 / 953.16	<a href="#">15</a>
<i>EPA ID: ILD048306138</i>				

##### SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Jul 26, 2023 has found that there are 1 SEMS ARCHIVE site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.28 / 1,453.47	<a href="#">19</a>
<i>EPA ID: ILD097282750</i>				

##### CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 2 CERCLIS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ELGIN LDFL	RT 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">4</a>
<i>Site EPA ID: ILD981960800</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	<a href="#">18</a>

**Site EPA ID:** ILD097282750

### **CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned**

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 1 CERCLIS NFRAP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL INCORPORATION	ROUTE 25 & GILBERT ROAD ELGIN IL 60177	SW	0.27 / 1,446.16	<a href="#">18</a>

**Site EPA ID:** ILD097282750

### **RCRA VSQG - RCRA Very Small Quantity Generators List**

A search of the RCRA VSQG database, dated Jul 10, 2023 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ECSC SOUTH ELGIN	RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177	SSE	0.22 / 1,175.41	<a href="#">17</a>

**EPA Handler ID:** ILR000022285

### **RCRA NON GEN - RCRA Non-Generators**

A search of the RCRA NON GEN database, dated Jul 10, 2023 has found that there are 2 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120	ENE	0.00 / 14.22	<a href="#">6</a>

**EPA Handler ID:** ILR000106971

WASTE MGMT WEST	7 N 904 RT 25 ELGIN IL 60120	W	0.18 / 953.16	<a href="#">15</a>
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**EPA Handler ID:** ILR000000737

### **FED ENG - Federal Engineering Controls-ECs**

A search of the FED ENG database, dated Jun 22, 2023 has found that there are 1 FED ENG site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	W	0.18 / 953.16	<a href="#">15</a>

**EPA ID:** ILD048306138

### **FED INST - Federal Institutional Controls- ICs**

A search of the FED INST database, dated Jun 22, 2023 has found that there are 1 FED INST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	W	0.18 / 953.16	<a href="#">15</a>
<i>EPA ID: ILD048306138</i>				

### **SUPERFUND ROD - Superfund Decision Documents**

A search of the SUPERFUND ROD database, dated Mar 23, 2023 has found that there are 1 SUPERFUND ROD site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	W	0.18 / 953.16	<a href="#">15</a>

### **State**

### **SWF/LF - Solid Waste Landfills Subject to State Surcharge Database**

A search of the SWF/LF database, dated Jul 13, 2022 has found that there are 3 SWF/LF site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Tri-County	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	<a href="#">2</a>
Elgin Landfill	7N904 Rte 25 South Elgin IL 60121	W	0.18 / 953.16	<a href="#">15</a>
Woodland Rdf	7N500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	<a href="#">16</a>

### **NIPC - Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois**

A search of the NIPC database, dated Dec 1987 has found that there are 4 NIPC site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRICOUNTY	ST CHARLES TWP* IL	E	0.05 / 243.13	<a href="#">7</a>
WOODLAND LANDFILL #2	ST CHARLES TWP* IL	W	0.18 / 953.16	<a href="#">15</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND LANDFILL	ST CHARLES TWP* IL	W	0.18 / 953.16	<a href="#">15</a>
ELGIN LANDFILL	ST CHARLES TWP* IL	W	0.18 / 953.16	<a href="#">15</a>

### **CCDD - Clean Construction or Demolition Debris**

A search of the CCDD database, dated Apr 19, 2022 has found that there are 1 CCDD site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
47 Acres Southwind Park CCDD	2250 Southwind Blvd, Bartlett IL	NNE	0.42 / 2,192.81	<a href="#">21</a>

### **LUST - Leaking Underground Storage Tanks (LUST)**

A search of the LUST database, dated Aug 3, 2023 has found that there are 2 LUST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Arc Disposal	7 North 540 Rt. 25 Elgin IL 60120	SE	0.06 / 338.31	<a href="#">9</a>
<i>Incident No   Incidents ID   NFR Date: 991256   23824   05/31/2007</i>				
Waste Management West	7 North 904 Rt. 25 Elgin IL 60120	W	0.18 / 953.16	<a href="#">15</a>
<i>Incident No   Incidents ID   NFR Date: 940421   16631  </i>				

### **LUST DOCUMENT - Leaking UST Document**

A search of the LUST DOCUMENT database, dated Apr 19, 2023 has found that there are 3 LUST DOCUMENT site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Arc Disposal	7n540 Rte 25 Elgin IL 60120	SE	0.06 / 338.31	<a href="#">9</a>
Waste Management West- Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.15 / 789.13	<a href="#">13</a>
Woodland RDF - 170000617866	7n500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	<a href="#">16</a>

### **UST - Underground Storage Tank Database (UST)**

A search of the UST database, dated Aug 3, 2023 has found that there are 3 UST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARC Disposal Co., Inc.	7 N 540 Rt 25 Elgin, IL 60120 IL	SE	0.06 / 338.31	<a href="#">9</a>
<i>Facility No / Facility Status: 2000516 / Closed Tank No / Status / Removed Date: 1 / Removed / 8/12/1999</i>				
Waste Management Of Illinois Inc	7 N 500 Route 25 South Elgin, IL 60177 IL	SSE	0.16 / 837.95	<a href="#">14</a>
<i>Facility No / Facility Status: 2007470 / Closed Tank No / Status / Removed Date: 1 / Removed / 7/10/1992</i>				
Waste Management West	7 N 904 Rt 25 Elgin, IL 60120 IL	W	0.18 / 953.16	<a href="#">15</a>
<i>Facility No / Facility Status: 2001049 / Closed Tank No / Status / Removed Date: 2 / Removed / 1/26/1995, 3 / Removed / 1/26/1995, 1 / Removed / 1/27/1995</i>				

### **AST - Aboveground Storage Tanks (AST)**

A search of the AST database, dated Jun 30, 2023 has found that there are 5 AST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.06 / 338.31	<a href="#">9</a>
<i>Type / Tank: Tank - Above Ground Dis / TANK#1-500</i>				
J & T SERVICES	7N540 ROUTE 25 SOUTH ELGIN IL 60120	SE	0.06 / 338.31	<a href="#">9</a>
<i>Type / Tank: Tank - Above Ground Disp / TANK#1-500</i>				
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	SSE	0.16 / 837.95	<a href="#">14</a>
<i>Type / Tank: Tank - Above Ground Bulk / TANK #3-750-</i>				
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	SSE	0.16 / 837.95	<a href="#">14</a>
<i>Type / Tank: Tank - Above Ground Bulk / TANK #2-1500-</i>				
WOODLAND RENEWABLE ENERGY FACILITY	7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	SSE	0.16 / 837.95	<a href="#">14</a>
<i>Type / Tank: Tank - Above Ground Bulk / TANK #1-1500</i>				

### **AUL - Environmental Covenants Registry**

A search of the AUL database, dated Aug 7, 2020 has found that there are 1 AUL site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL NPL SITE	7N930 SOUTH STATE ROUTE 25 ELGIN IL	ENE	0.07 / 355.57	<a href="#">10</a>



<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
------------------------	----------------	------------------	-------------------------	----------------

## **REM ASSESS - Document Explorer Remediation and Assessment Sites**

A search of the REM ASSESS database, dated Apr 19, 2023 has found that there are 1 REM ASSESS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Mgmt of Il - Closed Landfill	Rte 25 South Elgin IL 60177	NW	0.00 / 0.00	<a href="#"><u>2</u></a>

## **Non Standard**

### **Federal**

## **FINDS/FRS - Facility Registry Service/Facility Index**

A search of the FINDS/FRS database, dated Aug 18, 2022 has found that there are 2 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC.	ROUTE 25 SOUTH ELGIN IL 60177  <i>Registry ID: 110009282971</i>	NNE	0.00 / 0.00	<a href="#"><u>3</u></a>
PINGEL, BARBARA-ELGIN LANDFILL	7N802 RTE 25 ELGIN IL 60120  <i>Registry ID: 110007906891</i>	ENE	0.00 / 14.22	<a href="#"><u>6</u></a>

## **PFAS IND - PFAS Industry Sectors**

A search of the PFAS IND database, dated Apr 16, 2023 has found that there are 2 PFAS IND site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	WSW	0.05 / 269.33	<a href="#"><u>8</u></a>
WOODLAND RECYCLING AND DISPOSAL FACILITY	SOUTH ELGIN IL	W	0.12 / 620.32	<a href="#"><u>12</u></a>

## **ICIS - Integrated Compliance Information System (ICIS)**

A search of the ICIS database, dated Jan 21, 2023 has found that there are 2 ICIS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF	ROUTE 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#"><u>3</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
<b>Registry ID: 110009282971</b>				
TRI-COUNTY LANDFILL COMPANY	ROUTE 25 SOUTH ELGIN IL 60177	NNE	0.00 / 0.00	<a href="#">3</a>
<b>Registry ID: 110009282971</b>				

### **MINES - Mines Master Index File**

A search of the MINES database, dated May 1, 2023 has found that there are 1 MINES site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BLUFF CITY MATERIALS, INC.	S. Elgin IL	NE	0.15 / 789.13	<a href="#">13</a>
<b>Mine ID: 1102962</b>				

### **MRDS - Mineral Resource Data System**

A search of the MRDS database, dated Mar 15, 2016 has found that there are 1 MRDS site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOUTH ELGIN PLANT & PIT	KANE COUNTY SOUTH ELGIN IL 60177	NW	0.99 / 5,212.42	<a href="#">23</a>
<b>Dep ID: 10193209</b>				

### **State**

### **SPILLS - Spills and Incidents**

A search of the SPILLS database, dated Jul 13, 2023 has found that there are 5 SPILLS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ARC DISPOSAL	7N540 ROUTE 25 ELGIN IL	SE	0.06 / 338.31	<a href="#">9</a>
<b>Incident No: 991256</b>				
WASTE MANAGEMENT WEST	7N904 ROUTE 25 ELGIN IL	W	0.18 / 953.16	<a href="#">15</a>
<b>Incident No: 940421</b>				
R&L Carriers	II Rte #25 and Dunham Rd South Elgin IL	SSE	0.22 / 1,175.41	<a href="#">17</a>
<b>Incident No: H-2014-1252</b>				
UNK	51W 504 STEARNS RD. BARTLETT IL	SE	0.31 / 1,660.59	<a href="#">20</a>
<b>Incident No: 903037</b>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WASTE MANAGEMENT	33W900 Gilbert Street SOUTH ELGIN IL	W	0.47 / 2,484.88	<a href="#">22</a>
<i>Incident No: 890874</i>				

## **TIER 2 - Tier 2 Report**

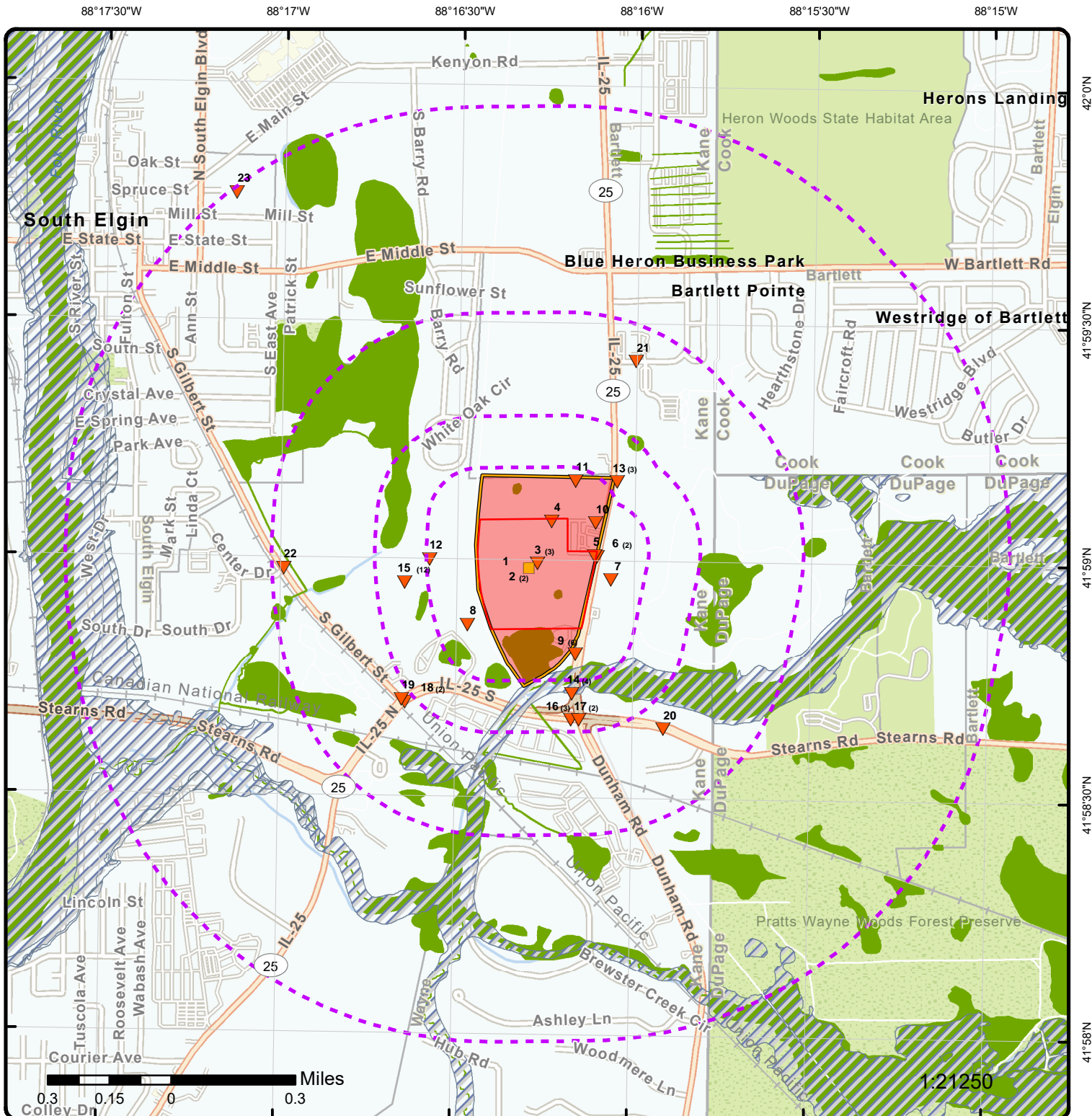
A search of the TIER 2 database, dated Nov 11, 2022 has found that there are 1 TIER 2 site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
South Elgin	7N.749 Route 25 Elgin IL 60120	ENE	0.00 / 0.00	<a href="#">5</a>

## **AIR PERMITS - Air Permits**

A search of the AIR PERMITS database, dated Apr 19, 2023 has found that there are 2 AIR PERMITS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Waste Management West- Elgin/Wayne	7 N 904 Rte 25 Elgin IL 60120	NE	0.15 / 789.13	<a href="#">13</a>
Woodland Rdf	7n500 Rte 25 South Elgin IL 60177	SSE	0.22 / 1,175.09	<a href="#">16</a>



## Map: 1.0 Mile Radius

Order Number: 23092102348

Address: Route 25, Elgin, IL



Project Property

Buffer Outline

▲ Sites with Higher Elevation

▲ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

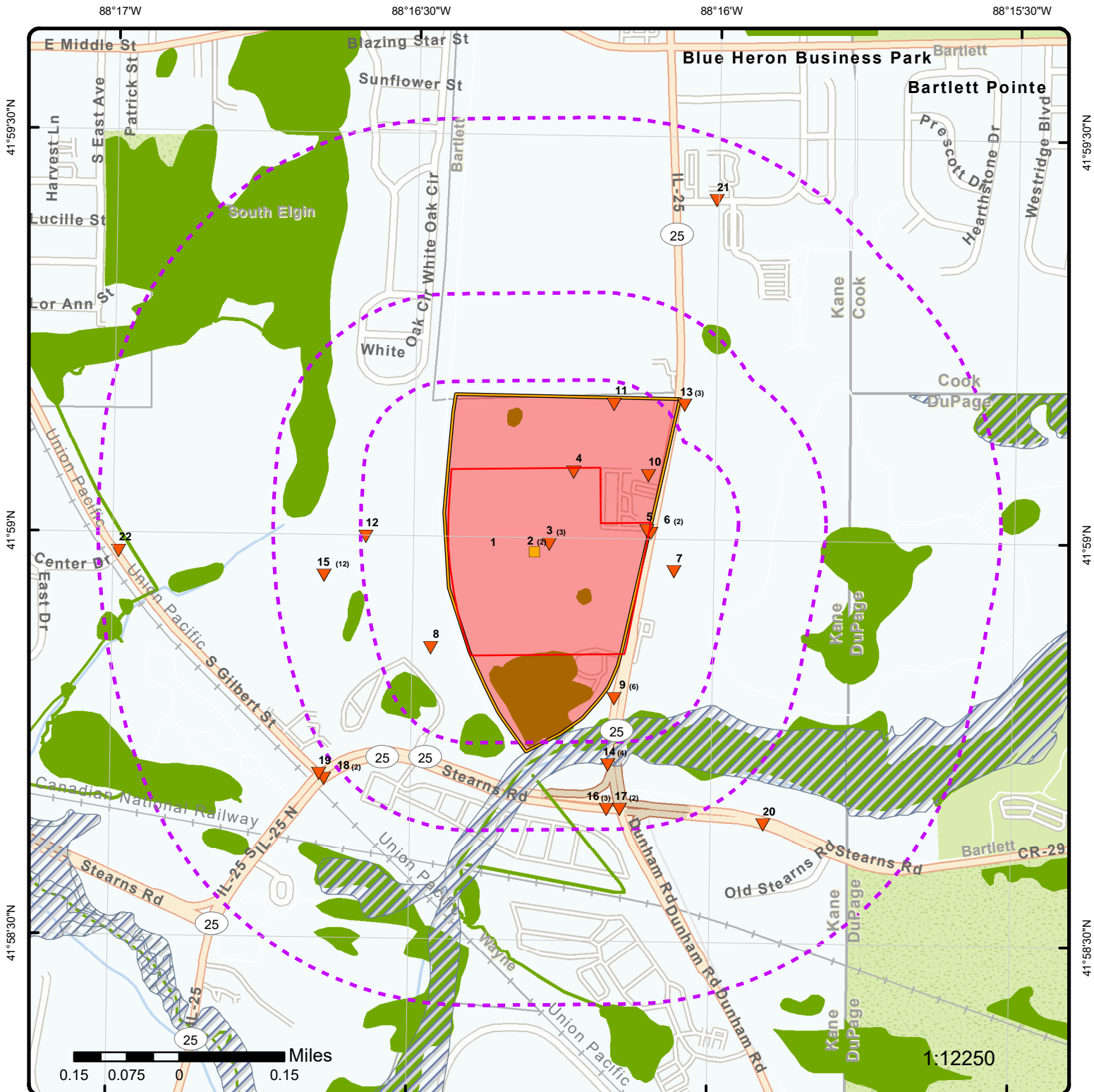
Plume

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



## Map: 0.5 Mile Radius

Order Number: 23092102348

Address: Route 25, Elgin, IL



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

Plume

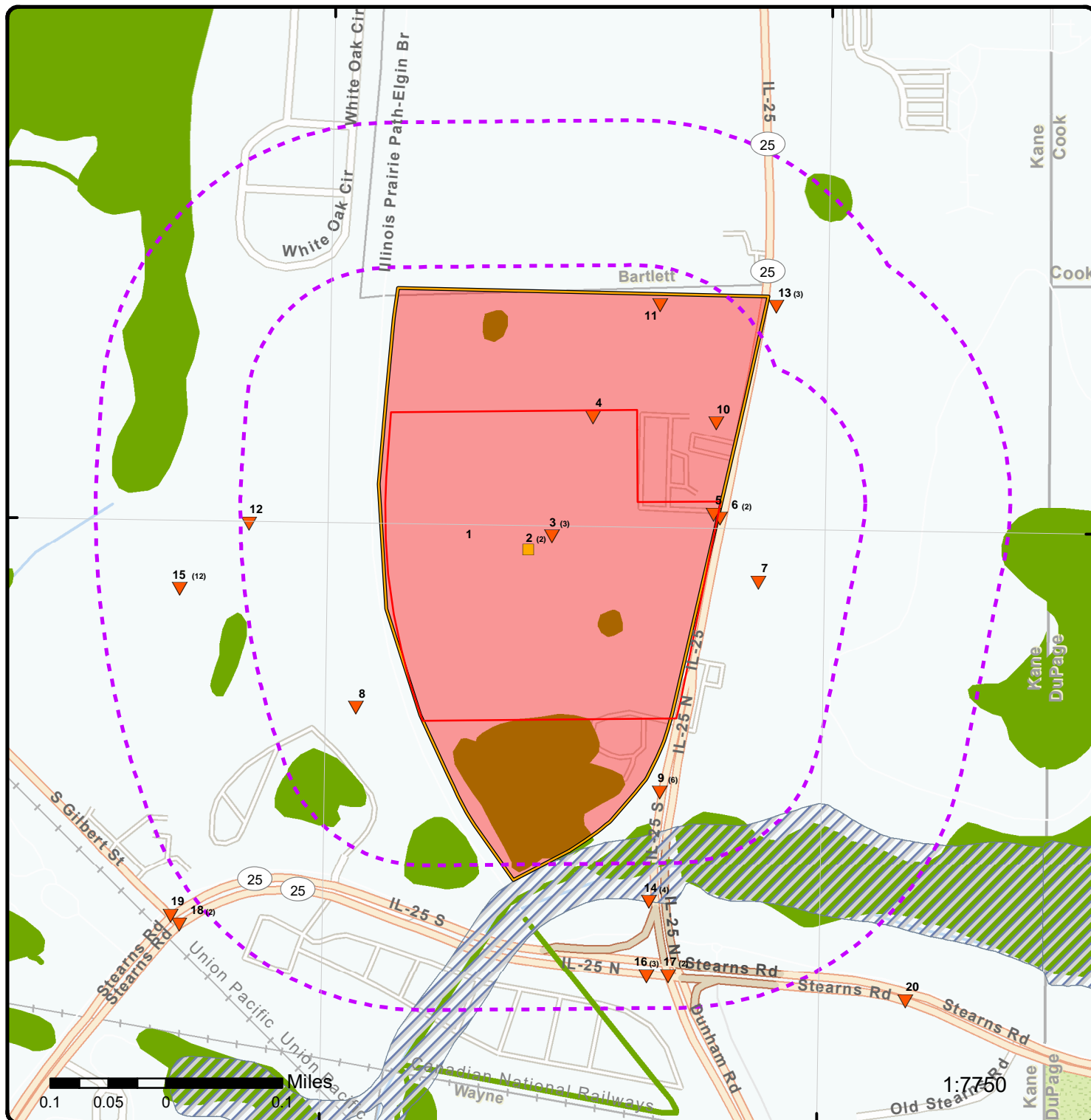
100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)





## Map: 0.25 Mile Radius

Order Number: 23092102348

Address: Route 25, Elgin, IL



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

□ Areas with Higher Elevation

□ Areas with Same Elevation

□ Areas with Lower Elevation

□ Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

Plume

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



88°17'W

88°16'30"W

88°16'W

41°59'30"N

41°59'30"N

41°59'N

41°59'N

41°58'30"N

41°58'30"N



**Aerial** Year: 2022

Address: Route 25, Elgin, IL

Source: ESRI World Imagery

Order Number: 23092102348



© ERIS Information Inc.





# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 1	NNE	0.00 / 0.00	787.77 / 0	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	NPL

**EPA ID:** ILD048306138  
**Site ID:**  
**Street Addr Txt (SEMS):** 7N 904 ILLINOIS ROUTE 25  
**City Name (SEMS):** ELGIN  
**State Code (SEMS):** IL  
**Zip Code (SEMS):** 60177  
**County (SEMS):** KANE  
**Data Source:** U.S. EPA Site Boundaries Shapefile Download; U.S. EPA SUPERFUND PROGRAM. Source: SEMS Superfund Public User Database. FOIA4 All Final NPL Sites. Retrieved on 25-MAY-2023.

## NPL (SEMS FOIA 004)

<b>Federal Facility:</b>	No	<b>County:</b>	KANE
<b>NPL Status Dt:</b>	03/31/89	<b>Latitude:</b>	+41.983200
<b>NAI:</b>	No	<b>Longitude:</b>	-88.271200
<b>NA Entity (NAI Status):</b>			
<b>SAA (Superfund Alt):</b>			

## NPL (Superfund Sites List)

<b>SEMS ID:</b>	500340	<b>Proposed Date:</b>	06/10/1986
<b>Status:</b>	NPL Site	<b>Listing Date:</b>	03/31/1989
<b>Site Score:</b>	42.76	<b>NOID Date:</b>	
<b>SITS ID:</b>	523	<b>Deletion Date:</b>	
<b>Constr Complete No:</b>	805	<b>Latitude:</b>	41.9832
<b>Constr Complete Dt:</b>	11/01/2001	<b>Longitude:</b>	-88.2712
<b>Partial Deletion:</b>	No		
<b>Proposed Fr Notice:</b>	<a href="https://semspub.epa.gov/src/document/11/189644" target="_blank">06/10/1986 (PDF)</a>		
<b>Final Fr Notice:</b>	<a href="https://semspub.epa.gov/src/document/11/189631" target="_blank">03/31/1989 (PDF)</a>		
<b>NOID Fr Notice:</b>			
<b>Deletion Fr Notice:</b>			
<b>Restoration Fr Notice:</b>			
<b>Notice of Data Availability:</b>			
<b>Site Listing Narrative:</b>	<a href="https://semspub.epa.gov/src/document/05/633477" target="_blank">ILD048306138 (PDF)</a>		
<b>Site Progress Profile:</b>	<a href="https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0500340" target="_blank">Tri-County Landfill Co./Waste Management of Illinois, Inc.</a>		

## NPL (EPA Boundaries)

<b>EPA Program:</b>	Superfund Remedial	<b>Feature 1:</b>	1992 ROD
<b>NPL Status:</b>	F	<b>Primary Telephone:</b>	(312) 886-0800
<b>Fed Facility:</b>	No	<b>Public Release:</b>	Yes
<b>GIS Area:</b>	143.22312046	<b>Original C:</b>	26-JAN-21 12.00.00.000000 AM
<b>GIS Area Unit:</b>	Acres	<b>Region Code:</b>	5
<b>Last Changed:</b>	28-JAN-21 12.00.00.000000 AM	<b>Tier Accur:</b>	5
<b>Site Contact:</b>	Fagiolo, John		
<b>Site Contact 1:</b>	fagiolo.john@epa.gov		
<b>Feature In:</b>	https://semspub.epa.gov/src/document/05/141678		
<b>Site Feature:</b>	Site Boundary		
<b>Site Feature 1:</b>	Site Boundary - Comprehensive Site		



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Site Feature 2:		3				
Site Feature 3:						
Site Feature 4:		TCLC/WMII Tri-County Landfill Boundary				
Site Feature 5:		The Tri-County/Elgin Landfills Site encompasses both the Tri-County and Elgin Landfills and is located in Kane County, Illinois. This polygon covers the Tri-County Landfill which consists of approximately 46 acres and is inactive.				
Site Feature 6:		1992 ROD, Fig. 1, pg. 46				
Url Alias:		https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0500340				
<hr/>						

[2](#) 1 of 2 NW 0.00 / 0.00 787.36 / 0 Tri-County Rte 25 South Elgin IL 60177 SWF/LF

Site ID/ BOL ID: 0890800001  
 Site Name(Map): Tri-County  
 Street Addr(Map): Rte 25  
 City(Map): South Elgin  
 Zip Code(Map): 60177  
 PO Box (Map):  
 County (Map): Kane  
 Latitude (Map): 41.98303  
 Longitude (Map): -88.271599  
 Site Name (BOLT):  
 Street (BOLT):  
 City (BOLT):  
 Zip (BOLT):  
 Latitude (BOLT):  
 Longitude (BOLT):  
 Type (BOLT):  
 CRS(Map):  
 Geometry Type(Map): esriGeometryPoint  
 X(Map): 1101786.8592  
 Y(Map): 1790875.6344  
 Data Source(s): Illinois EPA Landfills Map - Landfill Unknown Status

Site Name(BOLL):  
 Street Addr(BOLL):  
 City(BOLL):  
 Zip Code(BOLL):  
 County(BOLL):  
 Latitude(BOLL):  
 Longitude(BOLL):

[2](#) 2 of 2 NW 0.00 / 0.00 787.36 / 0 Waste Mgmt of II - Closed Landfill Rte 25 South Elgin IL 60177 REM ASSESS

Name (SWAP): Waste Mgmt of II - Closed Landfill  
 Address (SWAP): Rte 25  
 City (SWAP): South Elgin  
 State (SWAP): IL  
 Postal Code (SWAP): 60177  
 Name(Doc Expl): Elgin Landfill - 170000387141  
 Address (Doc Expl): Rte 25  
 City (Doc Expl): South Elgin  
 State (Doc Expl): IL  
 Zip (Doc Expl): 60177  
 Data Source(s): IEPA Document Explorer - Facility/Site Search; IEPA Document Explorer - Geographic Search  
 Note: Documents related to facilities in Illinois can be search on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer

#### IEPA Document Explorer

Site ID:	170000387141	Originating Bureau:	Bureau of Land
Program ID:	0890800001	Document Count:	34
Category:	Superfund Technical	Total Pages:	1929
Category URL:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1Ym91Y2U4bWVhJHRyYXRvcjBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0lFUEFJRjF09lJjE3MDAwMDM4NzE0MSIgQU5EIFtDQVRFR09SWV09lJjE5Qy11		

#### IEPA Docuware (SWAP)

Site ID: 170000387141 Document Indicator: Yes

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
System ID:	0890800002			Latitude:	41.9875	
Interest Type:	BOL			Longitude:	-88.279166	
Media Code:	LAND			X:	-88.27916599999998	
Collection Date:	10/12/2011			Y:	41.98750000000007	
Revision Date/Time:	05/22/2007					
 <u>IEPA Docuware (SWAP)</u>						
Site ID:	170000387141			Document Indicator:	Yes	
System ID:	0890800001			Latitude:	41.98303	
Interest Type:	BOL			Longitude:	-88.271599	
Media Code:	LAND			X:	-88.27159899999998	
Collection Date:	05/01/2009			Y:	41.98303000000004	
Revision Date/Time:	05/22/2007					
 <u>IEPA Docuware (SWAP)</u>						
Site ID:	170000387141			Document Indicator:	Yes	
System ID:	0890800001			Latitude:	41.98303	
Interest Type:	NPLU			Longitude:	-88.271599	
Media Code:	LAND			X:	-88.27159899999998	
Collection Date:	05/01/2009			Y:	41.98303000000004	
Revision Date/Time:	05/22/2007					
<hr/>						
<u>3</u>	1 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. ROUTE 25 SOUTH ELGIN IL 60177	FINDS/FRS
Registry ID:	110009282971					
FIPS Code:	17089					
HUC Code:	07120007					
Site Type Name:	CONTAMINATED SITE					
Location Description:						
Supplemental Location:	RTE 25					
Create Date:	01-MAR-00					
Update Date:	26-FEB-16					
Interest Types:	FORMAL ENFORCEMENT ACTION					
SIC Codes:	3219, 3323					
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	ICIS					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	14					
Census Block Code:	170898520012001					
EPA Region Code:	05					
County Name:	KANE					
US/Mexico Border Ind:						
Latitude:	41.9832					
Longitude:	-88.2712					
Reference Point:						
Coord Collection Method:						
Accuracy Value:	80					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009282971					
Data Source:	Facility Registry Service - Single File					
Program Acronyms:						

ICIS:26481

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">3</a>	2 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL COMPANY ROUTE 25 SOUTH ELGIN IL 60177	ICIS
EPA Region: 05				Federal Fac ID:		
Registry ID: 110009282971				Tribal Land Code:		
Pgm Sys ID: ILD048306138				County:	Kane	
Pgm Sys Acnrm: CERCLIS				Latitude 83:	41.9832	
Permit Type:				Longitude 83:	-88.2712	
<a href="#">3</a>	3 of 3	NNE	0.00 / 0.00	785.33 / -2	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. ROUTE 25 SOUTH ELGIN IL 60177	ICIS
EPA Region:				Federal Fac ID:		
Registry ID: 110009282971				Tribal Land Code:		
Pgm Sys ID: 26481				County:	KANE	
Pgm Sys Acnrm: ICIS				Latitude 83:	41.9832000000000004	
Permit Type:				Longitude 83:	-88.271200000000001	
<u>Details</u>						
Interest Type: FORMAL ENFORCEMENT ACTION				Public Ind:	Y	
Active Status:				FIPS Code:	17089	
Accuracy Value: 80				HUC 8 Code:	07120007	
Pgm Report URL: no data yet				HUC 12:		
Federal Agency Name:						
Federal Land Ind:						
Fed Facility Code: N						
Ref Point Desc:						
Collect Mth Desc:						
Fac URL:						
Program URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110009282971						
<a href="#">4</a>	1 of 1	NNE	0.00 / 0.00	770.37 / -17	ELGIN LDFL RT 25 SOUTH ELGIN IL 60177	CERCLIS
Site ID: 0505269				RNPL Status Code: A		
Site EPA ID: ILD981960800				NPL Status: Site is Part of NPL Site		
Site Street Address 2:				RFED Facility Code: N		
Site County Name: KANE				RFED Facility Desc: Not a Federal Facility		
Site FIPS Code: 17089				USGS Hydro Unit No.: 07120007		
Region Code: 05				Site Cong. Dist. Code: 14		
Site SMSA No.: 1600				ROT Desc: Unknown		
Site Prim. Latitude: +41.986111				FR NPL Update No.:		
Site Prim. Longitude: -088.269444				RFRA Code:		
Lat Long Source:						
RNON NPL Status Desc:						
<u>CERCLIS Site Contact Name(s)</u>						
Person ID: 5000104.00						
First Name: JOHN						
Last Name: FAGIOLO						
Phone No.: 3128860800						
Email: fagiolo.john@epa.gov						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**CERCLIS Site Contact Name(s)**

**Person ID:** 5271043.00  
**First Name:** DON  
**Last Name:** DE BLASIO  
**Phone No.:** 3128864360  
**Email:**

**CERCLIS Assess History**

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	DS	<b>Act Complete Date:</b>	8/1/1987 00:00:00
<b>RAT Short Name:</b>	DISCVRY	<b>AGT Order No.:</b>	10
<b>RAT Name:</b>	DISCOVERY	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		

**Site Desc:**  
**Site Alias:**

**CERCLIS Assess History**

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	
<b>Act Code ID:</b>		<b>Act Start Date:</b>	
<b>RAT Code:</b>		<b>Act Complete Date:</b>	
<b>RAT Short Name:</b>		<b>AGT Order No.:</b>	0
<b>RAT Name:</b>		<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>		<b>SH Seq:</b>	
<b>RAT Level:</b>		<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>		<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>			
<b>RAT Def:</b>			

**Site Desc:** No description available  
**Site Alias:** TRI-COUNTY,,,IL,;

**CERCLIS Assess History**

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	State (Fund)
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	PA	<b>Act Complete Date:</b>	9/30/1988 00:00:00
<b>RAT Short Name:</b>	PA	<b>AGT Order No.:</b>	130
<b>RAT Name:</b>	PRELIMINARY ASSESSMENT	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>	P	<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		

**Site Desc:**  
**Site Alias:**

**CERCLIS Assess History**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
OU ID:	00				<b>RALT Short Name:</b>	State (Fund)
Act Code ID:	001				<b>Act Start Date:</b>	
RAT Code:	SI				<b>Act Complete Date:</b>	11/3/1989 00:00:00
RAT Short Name:	SI				<b>AGT Order No.:</b>	160
RAT Name:	SITE INSPECTION				<b>SH OU:</b>	00
RAT Hist. Only Flag:					<b>SH Code:</b>	SH
RAT NSI Indicator:	B				<b>SH Seq:</b>	001
RAT Level:	1				<b>SH Start Date:</b>	
RAT DEF OU:	00				<b>SH Complete Date:</b>	9/29/1995 00:00:00
RFBS Code:	P				<b>SH Lead:</b>	State (Fund)
SPA Code:	13					
RAT Def:		The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.				
Site Desc:						
Site Alias:						

<u>5</u>	1 of 1	ENE	0.00 / 0.00	758.33 / -29	South Elgin 7N.749 Route 25 Elgin IL 60120	TIER 2
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Facility County: Kane  
Report Year(s): 2014, 2013, 2012, 2011, 2010, 2009

#### Tier II Details

Report Year:	2012	Chemical CAS No:	8006619
LEPC:	Kane	Chemical EHS:	No
Facility Phone:	8477425311	Chemical Contents:	Mixture, Liquid,
Facility Fax:		Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835	Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685		
Corporate Name:	Elmhurst Chicago Stone Company		
Fire Dept:	South Elgin-Countryside Fire Protection District		
Chemical Name:	GASOLINE		
Chem Health Haz:	Fire, Immediate, Delayed,		
Owner:	Elmhurst Chicago Stone Company		
Owner Street:	400 West First Street		
Owner City:	Elmhurst		
Owner State:	IL		
Owner Zip Code:	60126		
Owner Phone:	6308324000		
Mailing Name:			
Mailing Street:	7N.749 Route 25		
Mailing City:	Elgin		
Mailing State:	IL		
Mailing Zip Code:	60120		

Report Year:	2011	Chemical CAS No:	025155300
LEPC:	Kane	Chemical EHS:	No
Facility Phone:	8477425311	Chemical Contents:	Mixture, Liquid,
Facility Fax:		Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835	Avg Daily Amt(lbs):	1,000-9,999
Facility Longitude:	-88.2685		
Corporate Name:	Elmhurst Chicago Stone Company		
Fire Dept:	South Elgin-Countryside Fire Protection District		
Chemical Name:	CBP-2		
Chem Health Haz:	Immediate,		
Owner:	Elmhurst Chicago Stone Company		
Owner Street:	400 West First Street		
Owner City:	Elmhurst		
Owner State:	IL		
Owner Zip Code:	60126		
Owner Phone:	6308324000		
Mailing Name:			
Mailing Street:	7N.749 Route 25		
Mailing City:	Elgin		
Mailing State:	IL		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Zip Code:		60120				
Report Year:	2010				Chemical CAS No:	N/A
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	SIKAMIX PL-90					
Chem Health Haz:	Immediate,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
Report Year:	2013				Chemical CAS No:	025155300
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	5,000-9,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	CBP-2					
Chem Health Haz:	Immediate,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
Report Year:	2012				Chemical CAS No:	68476302
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	DIESEL FUEL					
Chem Health Haz:	Fire, Immediate, Delayed,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
Report Year:	2013				Chemical CAS No:	65997151

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2013				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-24,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	8006619
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2012				<b>Chemical CAS No:</b>	025155300
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	1,000-9,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		CBP-2				
Chem Health Haz:		Immediate,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2013				Chemical CAS No:	8006619
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		GASOLINE				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2014				Chemical CAS No:	7631869
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Solid,
Facility Fax:					Max Daily Amt(lbs):	100,000-499,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-499,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst-Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		FLYASH				
Chem Health Haz:		Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:		elmhurst-Chicago Stone Company				
Mailing Street:		400 West First Street				
Mailing City:		Elmhurst				
Mailing State:		IL				
Mailing Zip Code:		60126-				
Report Year:	2014				Chemical CAS No:	8006619
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst-Chicago Stone Company				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		GASOLINE				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>		elmhurst-Chicago Stone Company				
<b>Mailing Street:</b>		400 West First Street				
<b>Mailing City:</b>		Elmhurst				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60126-				
<b>Report Year:</b>	2011				<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2013				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2012				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2011				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire, Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:						
Mailing Street:		7N.749 Route 25				
Mailing City:		Elgin				
Mailing State:		IL				
Mailing Zip Code:		60120				
Report Year:	2014				Chemical CAS No:	025155300
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	5,000-9,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst-Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		CBP-2				
Chem Health Haz:		Immediate,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:		elmhurst-Chicago Stone Company				
Mailing Street:		400 West First Street				
Mailing City:		Elmhurst				
Mailing State:		IL				
Mailing Zip Code:		60126-				
Report Year:	2014				Chemical CAS No:	68476302
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-24,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-24,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst-Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		DIESEL FUEL				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				
Mailing Name:		elmhurst-Chicago Stone Company				
Mailing Street:		400 West First Street				
Mailing City:		Elmhurst				
Mailing State:		IL				
Mailing Zip Code:		60126-				
Report Year:	2011				Chemical CAS No:	8006619
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:		Elmhurst Chicago Stone Company				
Fire Dept:		South Elgin-Countryside Fire Protection District				
Chemical Name:		GASOLINE				
Chem Health Haz:		Fire, Immediate, Delayed,				
Owner:		Elmhurst Chicago Stone Company				
Owner Street:		400 West First Street				
Owner City:		Elmhurst				
Owner State:		IL				
Owner Zip Code:		60126				
Owner Phone:		6308324000				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2014				<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-499,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst-Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		Cement				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>		elmhurst-Chicago Stone Company				
<b>Mailing Street:</b>		400 West First Street				
<b>Mailing City:</b>		Elmhurst				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60126-				
<b>Report Year:</b>	2012				<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	65997151
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		CEMENT				
<b>Chem Health Haz:</b>		Immediate,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2009				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2011				<b>Chemical CAS No:</b>	7631869
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Solid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	100,000-999,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		FLYASH				
<b>Chem Health Haz:</b>		Immediate, Delayed,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				
<b>Report Year:</b>	2010				<b>Chemical CAS No:</b>	68476302
<b>LEPC:</b>	Kane				<b>Chemical EHS:</b>	No
<b>Facility Phone:</b>	8477425311				<b>Chemical Contents:</b>	Mixture, Liquid,
<b>Facility Fax:</b>					<b>Max Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Latitude:</b>	41.9835				<b>Avg Daily Amt(lbs):</b>	10,000-99,999
<b>Facility Longitude:</b>	-88.2685					
<b>Corporate Name:</b>		Elmhurst Chicago Stone Company				
<b>Fire Dept:</b>		South Elgin-Countryside Fire Protection District				
<b>Chemical Name:</b>		DIESEL FUEL				
<b>Chem Health Haz:</b>		Fire,				
<b>Owner:</b>		Elmhurst Chicago Stone Company				
<b>Owner Street:</b>		400 West First Street				
<b>Owner City:</b>		Elmhurst				
<b>Owner State:</b>		IL				
<b>Owner Zip Code:</b>		60126				
<b>Owner Phone:</b>		6308324000				
<b>Mailing Name:</b>						
<b>Mailing Street:</b>		7N.749 Route 25				
<b>Mailing City:</b>		Elgin				
<b>Mailing State:</b>		IL				
<b>Mailing Zip Code:</b>		60120				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Report Year:	2010				Chemical CAS No:	8006619
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	10,000-99,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	10,000-99,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	GASOLINE					
Chem Health Haz:	Fire,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
<hr/>						
Report Year:	2009				Chemical CAS No:	65997151
LEPC:	Kane				Chemical EHS:	No
Facility Phone:	8477425311				Chemical Contents:	Mixture, Liquid,
Facility Fax:					Max Daily Amt(lbs):	100,000-999,999
Facility Latitude:	41.9835				Avg Daily Amt(lbs):	100,000-999,999
Facility Longitude:	-88.2685					
Corporate Name:	Elmhurst Chicago Stone Company					
Fire Dept:	South Elgin-Countryside Fire Protection District					
Chemical Name:	CEMENT					
Chem Health Haz:	Immediate,					
Owner:	Elmhurst Chicago Stone Company					
Owner Street:	400 West First Street					
Owner City:	Elmhurst					
Owner State:	IL					
Owner Zip Code:	60126					
Owner Phone:	6308324000					
Mailing Name:						
Mailing Street:	7N.749 Route 25					
Mailing City:	Elgin					
Mailing State:	IL					
Mailing Zip Code:	60120					
<hr/>						
<a href="#">6</a>	1 of 2	ENE	0.00 / 14.22	758.05 / -30	PINGEL, BARBARA-ELGIN LANDFILL 7N802 RTE 25 ELGIN IL 60120	FINDS/FRS
<hr/>						
Registry ID:	110007906891					
FIPS Code:	17089					
HUC Code:	07120006					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	01-MAR-00					
Update Date:	26-JAN-12					
Interest Types:	STATE MASTER, UNSPECIFIED UNIVERSE					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	FRS					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	14					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Census Block Code:</b>		170898514002021				
<b>EPA Region Code:</b>		05				
<b>County Name:</b>		KANE				
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		42.03706				
<b>Longitude:</b>		-88.267749				
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>		ADDRESS MATCHING-HOUSE NUMBER				
<b>Accuracy Value:</b>		4500				
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110007906891				
<b>Data Source:</b>		Facility Registry Service - Single File				
<b>Program Acronyms:</b>						

ACES:170000386561, RCRAINFO:ILR000106971

<a href="#">6</a>	2 of 2	ENE	0.00 / 14.22	758.05 / -30	ELGIN LANDFILL 7N802 RTE 25 ELGIN IL 60120	RCRA NON GEN
<b>EPA Handler ID:</b>		ILR000106971				
<b>Gen Status Universe:</b>		No Report				
<b>Contact Name:</b>						
<b>Contact Address:</b>						
<b>Contact Phone No and Ext:</b>						
<b>Contact Email:</b>						
<b>Contact Country:</b>						
<b>County Name:</b>		KANE				
<b>EPA Region:</b>		05				
<b>Land Type:</b>		Private				
<b>Receive Date:</b>		20200923				
<b>Location Latitude:</b>						
<b>Location Longitude:</b>						

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Jul 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

<b>Importer Activity:</b>	No
<b>Mixed Waste Generator:</b>	No
<b>Transporter Activity:</b>	No
<b>Transfer Facility:</b>	No
<b>Onsite Burner Exemption:</b>	No
<b>Furnace Exemption:</b>	No
<b>Underground Injection Activity:</b>	No
<b>Commercial TSD:</b>	No
<b>Used Oil Transporter:</b>	No
<b>Used Oil Transfer Facility:</b>	No
<b>Used Oil Processor:</b>	No
<b>Used Oil Refiner:</b>	No
<b>Used Oil Burner:</b>	No
<b>Used Oil Market Burner:</b>	No
<b>Used Oil Spec Marketer:</b>	No

#### Hazardous Waste Handler Details

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20010711
<b>Handler Name:</b>	ELGIN LANDFILL



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Source Type: Notification  
Federal Waste Generator Code: 2  
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001  
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1  
Receive Date: 20200923  
Handler Name: ELGIN LANDFILL  
Source Type: Implementer  
Federal Waste Generator Code: N  
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1000 GENEVA ST APT 15C
Name:	PINGEL BARBARA	Street 2:	
Date Became Current:		City:	ST CHARLES
Date Ended Current:		State:	IL
Phone:	630-584-7917	Country:	
Source Type:	Notification	Zip Code:	60174

Historical Handler Details

Receive Dt: 20010711  
Generator Code Description: Small Quantity Generator  
Handler Name: ELGIN LANDFILL

<a href="#">7</a>	1 of 1	E	0.05 / 243.13	756.99 / -31	TRICOUNTY ST CHARLES TWP* IL	NIPC
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IEPA No: 0890800001  
Active Sites:  
Source:  
QS 1st: NE  
QS 2nd: SW  
Map NO: 359  
Prov NO: ~  
Township: 40N  
Range: 08E  
Section: 01  
County: KANE COUNTY  
Sites Previ Record & Map: X  
Sites Previ Rec&Not Map:

<a href="#">8</a>	1 of 1	WSW	0.05 / 269.33	758.46 / -29	WOODLAND RECYCLING AND DISPOSAL FACILITY SOUTH ELGIN IL	PFAS IND
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Status:	Unknown	Fac Fips Code:	17089
Industry:	Waste Management	Fac Indian Cntry Flg:	N
Compliance Status:	-	Fac Derived Huc:	07120007
EPA Programs:	-	Fac Derived Wbd:	071200070101
Federal Facility:	No	Fac Derived Cd113:	06

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Federal Agency:</b>	-				<b>Fac Derived Cb2010:</b>	170898520012002
<b>Fac Snc Flg:</b>	N				<b>Fac Informal Count:</b>	0
<b>AIR Flag:</b>	N				<b>Last Informal Action:</b>	-
<b>NPDES Flag:</b>	N				<b>Formal Action Count:</b>	0
<b>SDWIS Flag:</b>	N				<b>Last Formal Action:</b>	-
<b>RCRAFlag:</b>	N				<b>Fac Total Penalties:</b>	0
<b>TRI Flag:</b>	N				<b>Fac Penalty Count:</b>	-
<b>GHG Flag:</b>	Y				<b>Date Last Penalty:</b>	-
<b>TRI IDs:</b>	-				<b>Last Penalty Amt:</b>	-
<b>TRI Releases Trnsfrs:</b>	-				<b>Fac Qtrs With Nc:</b>	-
<b>TRI on Site Releases:</b>	-				<b>Programs With Snc:</b>	0
<b>TRI off Site Trnsfrs:</b>	-				<b>Fac Percent Minority:</b>	34.97
<b>TRI Reporter:</b>	-				<b>Fac Pop Den:</b>	1270.31
<b>Fac Imp Water Flg:</b>	-				<b>Count:</b>	1
<b>Fac Major Flag:</b>	-				<b>Fac County:</b>	KANE
<b>Fac Active Flag:</b>	-				<b>State Other :</b>	
<b>Fac Inspection Count:</b>	0				<b>Region:</b>	05
<b>Date Last Inspection:</b>	-				<b>Latitude:</b>	41.981018
<b>Days Last Inspection:</b>	-				<b>Longitude:</b>	-88.274445
<b>Fac Derived Tribes:</b>	-	-				
<b>AIR IDs:</b>	-	-				
<b>CAA Permit Types:</b>	-	-				
<b>CAA NAICS:</b>	-	-				
<b>CAA SICS:</b>	-	-				
<b>NPDES IDs:</b>	-	-				
<b>CWA Permit Types:</b>	-	-				
<b>CWA NAICS:</b>	-	-				
<b>CWA SICS:</b>	-	-				
<b>RCRA IDs:</b>	-	-				
<b>RCRA Permit Types:</b>	-	-				
<b>RCRA NAICS:</b>	-	-				
<b>SDWA IDs:</b>	-	-				
<b>SDWA System Types:</b>	-	-				
<b>SDWA Compliance Status:</b>	-	-				
<b>SDWA Snc Flag:</b>	N					
<b>Fac Collection Meth:</b>		INTERPOLATION-PHOTO				
<b>EJSCREEN Flag Us:</b>	N					
<b>EJSCREEN Report:</b>		https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.274445,%22y%22:41.981018,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1				
<b>ECHO Facility Report:</b>		https://echo.epa.gov/detailed-facility-report?fid=110001962378				

<b>9</b>	<b>1 of 6</b>	<b>SE</b>	<b>0.06 / 338.31</b>	<b>758.99 / -29</b>	<b>Arc Disposal 7 North 540 Rt. 25 Elgin IL 60120</b>	<b>LUST</b>
<b>Incident No:</b>	991256				<b>LPC No:</b>	0894385587
<b>Incidents ID:</b>	23824				<b>IEMA Date:</b>	05/25/1999
<b>NFR Date:</b>	05/31/2007				<b>Regulation:</b>	732
<b>Gasoline:</b>	False				<b>C 20 Day Report Date:</b>	08/13/1999
<b>Unleaded:</b>	False				<b>C 45 Day Report Date:</b>	09/30/1999
<b>Diesel:</b>	True				<b>NFR Recorded Date:</b>	06/11/2007
<b>Fuel Oil:</b>	False				<b>Pre 74 Date:</b>	
<b>Jet Fuel:</b>	False				<b>Proj Manager Phone:</b>	
<b>Used Oil:</b>	False				<b>Proj Mngr First Nm:</b>	Scott
<b>Non Petroleum Prod:</b>	False				<b>Proj Mngr Last Nm:</b>	McGill
<b>Other Petroleum:</b>	False				<b>Proj Manager Email:</b>	
<b>Non LUST Date:</b>					<b>Site County:</b>	Kane
<b>Non LUST Letter Dt:</b>						
<b>Heating Oil Letter Date:</b>						
<b>Free Product Discovery Date:</b>						
<b>Primary Resp Party Name:</b>		Arc Disposal				
<b>Primary Resp Party Address:</b>		2101 South Busse				
<b>Primary Resp Party City:</b>		Mt. Prospect				
<b>Primary Resp Party State:</b>		IL				
<b>Primary Resp Party ZIP:</b>		60056				
<b>Primary Resp Party Phone:</b>		8479810091				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Primary Resp Party Contact: Richard Hoving, Jr.

<a href="#">9</a>	2 of 6	SE	0.06 / 338.31	758.99 / -29	ARC Disposal Co., Inc. 7 N 540 Rt 25 Elgin, IL 60120 IL	UST
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Facility No:	2000516	Facility Type:	Industrial / Manufacturing
Facility Status:	Closed	Owner Type:	Private
Fac Details Status:	Closed	Owner Status:	Current Owner
Fac Type Fac Details:	Industrial / Manufacturing	County:	Kane
Owner Name:	ARC Disposal Co., Inc.		
Facility URL:	<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2000516">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2000516</a>		

#### Tank Information

Tank No:	1	Capacity:	10000
UI No:		Petroleum Use:	None
Status:	Removed	Product:	Diesel Fuel
Removed Date:	8/12/1999	CERCLA Substance:	
Install Date:	6/1/1980	Current Age:	19
Abandoned Date:		Abandoned Material:	
Last Used Date:	12/22/1998	Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	2/6/1986		

#### Owner Summary

Owner No:	U0000718	Owner Status:	Current Owner
Owner Name:	ARC Disposal Co., Inc.	Purchase Date:	
Ownership History:	<a href="http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2000516">http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2000516</a>		

#### Owner Details

Owner Name:	ARC Disposal Co., Inc.	Type Financial Resp:	
Owner Status:	Current Owner	Fin Resp Rpt Due:	
Purchase Date:			
Owner Address:	2101 S. Busse Rd. Mount Prospect, IL 60056		

#### IEMA No

Permit No:	02117-1999REM	Inspection Date:	8/12/1999
IEMA No:	991256	Inspection Type:	Removal Log
IEMA Link:	<a href="https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx">https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx</a>		

#### LUST Fund Eligibility

IEMA No:	99-1256	OSFM Received Dt:	12/13/1999
Status:	Eligible	OSFM Response Dt:	12/20/1999
Deductible:	\$10,000		
Letter:			
IEMA Link:	<a href="https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx">https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx</a>		

#### Facility Details

MFD Forms Status:		Green Tag Decal:	
MFD Permit Issue Dt:		Green Tag Issue Date:	
MFD Permit Exp Dt:		Green Tag Exp Date:	
Property Parcel:		Motor Fuel Type:	
Pending Nov:	No		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Permit History Link:	<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2000516">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2000516</a>					
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<a href="#">9</a>	3 of 6	SE	0.06 / 338.31	758.99 / -29	ARC DISPOSAL 7N540 ROUTE 25 ELGIN IL	SPILLS
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Incident No:	991256	County:	KANE
Date/Time Occurred:		Latitude:	
Media Release:		Longutude:	
Facility Manager:			
Fac Manager Phone:			
Responsible Party Street:			
Area Involved:	FIXED FACILITY		
Milepost:			
Section:			
Township:			
Range:			

#### Hazardous Materials Incident Report

Incident Report Dt:	5/25/1999 9:51:00 AM	County:	KANE
Data Input Status:	CLOSED	Entered by:	
LUST?:		Date Entered:	
Hazmat Incident Type:	LEAK		
Caller:	DICK HOVING		
Caller Represents:	ARC DISPOSAL		
Street Address:	7N540 ROUTE 25		
City:	ELGIN		
URL:	<a href="https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=991256">https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=991256</a>		
Narrative:			

#### Follow Up Information:

#### Materials Involved

Name:	DIESEL FUEL
Type:	UNKNOWN
CHRIS CODE:	
CAS No:	
UN/NA No:	
Container Type:	UNDERGROUND TANK
Container Size:	UNDERGROUND TANK
Amount Released:	UNKNOWN
Rate of Release Min:	
Duration of Release:	
Cause of Release:	OVERSPILL
Est Spill Extent:	
Spill Extent Units:	
Date/Time Inc Occur:	
Unknown Occurr:	
Date/Time Discov:	05/18/99 1000
Unknown Discovered:	
Where Taken:	NONE
On Scene Contact:	
No of People Evacuat:	NONE
A 302(a) Extremely Haz Sub?:	
A RCRA Hazardous Waste?:	
A RCRA Regulated Facility?:	
Public Health Risks:	NONE
State Agency Assistance:	
Containment/Cleanup Plans:	

<a href="#">9</a>	4 of 6	SE	0.06 / 338.31	758.99 / -29	J & T SERVICES 7N540 ROUTE 25	AST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SOUTH ELGIN IL 60120						
Type: NOVs: Tank 2: Occupant 2: Occupancy No: Occupant Type: Tank: Building: Location Comment:	Tank - Above Ground Dis NOVs  -KA-0551461265461234 055 - ABOVE GROUND DISPENSING TANK#1-500		Date: Inspector: Row: Section:		KA	
9	5 of 6	SE	0.06 / 338.31	758.99 / -29	J & T SERVICES 7N540 ROUTE 25 SOUTH ELGIN IL 60120	AST
Type: NOVs: Tank 2: Occupant 2: Occupancy No: Occupant Type: Tank: Building: Location Comment:	Tank - Above Ground Disp NOVs  -KA-055-1461265461234 055 - ABOVE GROUND DISPENSING TANK#1-500		Date: Inspector: Row: Section:		KA	
9	6 of 6	SE	0.06 / 338.31	758.99 / -29	Arc Disposal 7n540 Rte 25 Elgin IL 60120	LUST DOCUMENT
Site ID: System ID: Program ID: Interest Type: Media Code: Category: Document Indicator: Document Count: Total Pages: Revision Date Time: Collection Date: Name (Doc Search): Addr (Doc Search): Name (Geo Search): Addr (Geo Search): Category URL:	170000616992 0894385587 0894385587 LUST LAND Leaking UST Technical Yes 43 1047 06/30/2003 01/01/2001 Arc Disposal - 170000616992 7n540 Rte 25 Arc Disposal 7n540 Rte 25 https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1Ym94bWVhJHRyYXRvcjBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRf09ljE3MDAwMDYxNjk5MilgQU5EIFtDQVRFR09SWV09ljxQSI1		Originating Bureau: City (Doc Search): State (Doc Search): Zip (Doc Search): City (Geo Search): State (Geo Search): Zip (Geo Search): Latitude: Longitude: X: Y:		Bureau of Land Elgin IL 60120 Elgin IL 60120 42.04772 -88.26755 -88.26754999999997 42.04772000000003	
Data Source: Note:	IEPA Document Explorer - Facility/Site Search; IEPA Document Explorer - Geographic Search Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer					
10	1 of 1	ENE	0.07 / 355.57	760.15 / -28	TRI-COUNTY LANDFILL NPL SITE 7N930 SOUTH STATE ROUTE 25 ELGIN IL	AUL
Facility ID: EPA ID: Parcel No: Address2:	980800001 ILD 048 306 138 (BFI WASTE SYSTEMS OF NORTH AMERICA, LLC (FORMER PINGEL) PARCEL; PIN: 09-01-200-025)		Date of Recording: Facility County:		9/25/2013 KANE COUNTY	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">11</a>	1 of 1	NNE	0.09 / 487.86	770.31 / -17	ELGIN LDFL RT 25 SOUTH ELGIN IL 60177	SEMS

<b>EPA ID:</b>	ILD981960800	<b>Pgm Sys ID:</b>	ILD981960800
<b>Primary Name(MAP):</b>	ELGIN LDFL	<b>Loc Address(MAP):</b>	RT 25
<b>City Name:</b>	SOUTH ELGIN	<b>Postal Code:</b>	60177
<b>Site Name:</b>	ELGIN LDFL	<b>County Name:</b>	KANE
<b>Street Address:</b>	RT 25	<b>Latitude83:</b>	41.986111
<b>Street Address 2:</b>		<b>Longitude83:</b>	-88.269444
<b>City:</b>	SOUTH ELGIN	<b>PGM SYS ID(CalOES):</b>	ILD981960800
<b>State:</b>	IL	<b>Name(CalOES):</b>	ELGIN LDFL
<b>Zip:</b>	60177	<b>Loc Addr(CalOES):</b>	RT 25
<b>County:</b>	KANE	<b>City(CalOES):</b>	SOUTH ELGIN
<b>Latitude:</b>	+41.986111	<b>Postal(CalOES):</b>	60177
<b>Longitude:</b>	-088.269444	<b>County(CalOES):</b>	KANE
<b>Latitude83(CalOES):</b>	41.986111	<b>Longitude83(CalOES):</b>	-88.269444
<b>Data Source:</b>	EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDf Map - SEMS		

#### Site Level Information

<b>Site ID:</b>	0505269	<b>Superfund Alt Agmt:</b>	No
<b>NPL:</b>	Site is Part of NPL Site	<b>FIPS Code:</b>	17089
<b>Federal Facility:</b>	No	<b>Cong District:</b>	14
<b>FF Docket:</b>	No	<b>Region:</b>	05
<b>Non NPL Status:</b>			

#### Action Information

<b>Operable Units:</b>	00	<b>Start Actual:</b>	09/30/1988
<b>Action Code:</b>	PA	<b>Finish Actual:</b>	09/30/1988
<b>Action Name:</b>	PA	<b>Qual:</b>	H
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	St Perf
<b>Operable Units:</b>	00	<b>Start Actual:</b>	08/01/1987
<b>Action Code:</b>	DS	<b>Finish Actual:</b>	08/01/1987
<b>Action Name:</b>	DISCVRY	<b>Qual:</b>	
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	EPA Perf
<b>Operable Units:</b>	00	<b>Start Actual:</b>	11/03/1989
<b>Action Code:</b>	SI	<b>Finish Actual:</b>	11/03/1989
<b>Action Name:</b>	SI	<b>Qual:</b>	H
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	St Perf

#### GIS Information

<b>Registry ID:</b>	110071101117	<b>Pgm Sys Acnrm:</b>	SEMS
<b>Active Status:</b>	SITE IS PART OF NPL SITE	<b>Accuracy Value:</b>	
<b>Key Field:</b>	SEMSILD981960800	<b>HUC8 Code:</b>	07120007
<b>Interest Type:</b>	SUPERFUND (NON-NPL)	<b>HUC 12:</b>	
<b>Fed Agency Name:</b>		<b>Federal Land Ind:</b>	Y
<b>Fed Facility Code:</b>		<b>Public Ind:</b>	
<b>EPA Region Code:</b>	05	<b>Pgm Report:</b>	no data yet
<b>Collect Mth Desc:</b>			
<b>Ref Point Desc:</b>			
<b>Fac Url:</b>	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117</a>		
<b>Program Url:</b>			
<b>Pgm Report Url:</b>	no data yet		
<b>Fips Code:</b>	17089		

#### CalOES EPA RCRA TSDf - SEMS

<b>Registry ID:</b>	110071101117	<b>HUC 12:</b>	
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Interest Tpe:</b>	SUPERFUND (NON-NPL)				<b>Collect Method:</b>	
<b>Active Status:</b>	SITE IS PART OF NPL SITE				<b>Accuracy Value:</b>	
<b>Pgm Sys Acnm:</b>	SEMS				<b>Ref Point Desc:</b>	
<b>Federal Ag:</b>					<b>EPA Region:</b>	05
<b>Federal La:</b>					<b>Key Field:</b>	SEMSILD981960800
<b>Fed Facility Cd:</b>					<b>Create Dt:</b>	2021/10/26 00:00:00+00
<b>Public Ind:</b>	Y				<b>Update Dt:</b>	2021/11/24 13:48:54+00
<b>FIPS Code:</b>	17089				<b>Last Reported Dt:</b>	
<b>HUC8 Code:</b>	07120007					
<b>Pgm Report:</b>	no data yet					
<b>Program Url:</b>						
<b>Fac Url:</b>	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101117</a>					

<a href="#">12</a>	1 of 1	W	0.12 / 620.32	750.60 / -37	WOODLAND RECYCLING AND DISPOSAL FACILITY	PFAS IND
SOUTH ELGIN IL						
<b>Status:</b>	Active			<b>Fac Fips Code:</b>	17089	
<b>Industry:</b>	Waste Management			<b>Fac Indian Cntry Flg:</b>	N	
<b>Compliance Status:</b>	No Violation Identified			<b>Fac Derived Huc:</b>	07120007	
<b>EPA Programs:</b>	CAA			<b>Fac Derived Wbd:</b>	071200070101	
<b>Federal Facility:</b>	No			<b>Fac Derived Cd113:</b>	06	
<b>Federal Agency:</b>	-			<b>Fac Derived Cb2010:</b>	170898520012002	
<b>Fac Snc Flg:</b>	N			<b>Fac Informal Count:</b>	0	
<b>AIR Flag:</b>	Y			<b>Last Informal Action:</b>	-	
<b>NPDES Flag:</b>	N			<b>Formal Action Count:</b>	0	
<b>SDWIS Flag:</b>	N			<b>Last Formal Action:</b>	-	
<b>RCRAFlag:</b>	N			<b>Fac Total Penalties:</b>	0	
<b>TRI Flag:</b>	N			<b>Fac Penalty Count:</b>	-	
<b>GHG Flag:</b>	N			<b>Date Last Penalty:</b>	-	
<b>TRI IDs:</b>	-			<b>Last Penalty Amt:</b>	-	
<b>TRI Releases Trnsfrs:</b>	-			<b>Fac Qtrs With Nc:</b>	0	
<b>TRI on Site Releases:</b>	-			<b>Programs With Snc:</b>	0	
<b>TRI off Site Trnsfrs:</b>	-			<b>Fac Percent Minority:</b>	38.239	
<b>TRI Reporter:</b>	-			<b>Fac Pop Den:</b>	1419.53	
<b>Fac Imp Water Flg:</b>	-			<b>Count:</b>	1	
<b>Fac Major Flag:</b>	-			<b>Fac County:</b>	KANE COUNTY	
<b>Fac Active Flag:</b>	Y			<b>State Other :</b>		
<b>Fac Inspection Count:</b>	2			<b>Region:</b>	05	
<b>Date Last Inspection:</b>	2/17/2022			<b>Latitude:</b>	41.983302	
<b>Days Last Inspection:</b>	422			<b>Longitude:</b>	-88.276282	
<b>Fac Derived Tribes:</b>	-					
<b>AIR IDs:</b>	IL000089813AAJ					
<b>CAA Permit Types:</b>	Synthetic Minor Emissions					
<b>CAA NAICS:</b>	562212					
<b>CAA SICs:</b>	4953					
<b>NPDES IDs:</b>	-					
<b>CWA Permit Types:</b>	-					
<b>CWA NAICS:</b>	-					
<b>CWA SICs:</b>	-					
<b>RCRA IDs:</b>	-					
<b>RCRA Permit Types:</b>	-					
<b>RCRA NAICS:</b>	-					
<b>SDWA IDs:</b>	-					
<b>SDWA System Types:</b>	-					
<b>SDWA Compliance Status:</b>	-					
<b>SDWA Snc Flag:</b>	N					
<b>Fac Collection Meth:</b>	INTERPOLATION-PHOTO					
<b>EJSCREEN Flag Us:</b>	N					
<b>EJSCREEN Report:</b>	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.276282,%22y%22:41.983302,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.276282,%22y%22:41.983302,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>					
<b>ECHO Facility Report:</b>	<a href="https://echo.epa.gov/detailed-facility-report?fid=110063232023">https://echo.epa.gov/detailed-facility-report?fid=110063232023</a>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">13</a>	1 of 3	NE	0.15 / 789.13	757.84 / -30	BLUFF CITY MATERIALS, INC. S. Elgin IL	<a href="#">MINES</a>
<div> <div> <b>Mine ID:</b> 1102962  <b>Status Code:</b> 4  <b>Mine Status:</b> Permanently Abandoned  <b>Status Date:</b> 20121213  <b>Operation Class:</b> 2 - Non-coal mining  <b>Company Type:</b> Corporation  <b>Assess Ctrl No:</b> 000311728  <b>Current Mine Type:</b> Surface  <b>Currnt Mine Status:</b> Abandoned  <b>Current Status Dt:</b> 12/13/2012  <b>Curr Controller ID:</b> M09146  <b>Curr Cont Begin Dt:</b> 04/01/1994  <b>Curr Operator ID:</b> L11868  <b>Coal Metal Ind:</b> M  <b>Mine Gas Ctgry CD:</b>  <b>Miners Rep Ind:</b> No  <b>Mines Prim SIC CD:</b> 144200  <b>Mines State:</b> IL  <b>No Employees:</b> 0  <b>No Non-Prod Pits:</b>  <b>No Producing Pits:</b>  <b>No Tailing Ponds:</b> 0  <b>No of Pits:</b> 000  <b>No of Plants:</b> 0  <b>No of Shops:</b> 0  <b>Current 103I:</b> Never Had 103I Status  <b>Current 103I Dt:</b>  <b>Portable Operation:</b> No  <b>Portble FIPS St CD:</b>  <b>Days Per Week:</b> 0  <b>Hours Per Shift:</b> 0  <b>Prod Shift Per Day:</b> 0  <b>Maint Shift PerDay:</b> 0  <b>Part48 Training:</b> Yes  <b>Avg Mine Height:</b>  <b>Methane Liberation:</b>  <b>Multiple Pits:</b> No  <b>Safety Committ Ind:</b> No  <b>Office CD:</b> M4821  <b>Office Name:</b> Peru IL Field Office  <b>Entity Name:</b> RAYMOND ST  <b>Current Mine Name:</b> Raymond St  <b>Curr Controller Name:</b> Michael P Vondra  <b>Curr Operator Name:</b> Bluff City Materials, Inc.  <b>Status Description:</b> The mine has been permanently shut down.  <b>Pillar Recovery Used:</b> No  <b>Highwall Miner Used:</b> No  <b>Directions to Mine:</b> Located at 1400 Rt. 25 South Elgin, IL 5 miles West of Bartlett, WI  <b>Street:</b> 2252 Southwind Blvd  <b>City:</b> Bartlett  <b>Po Box:</b>  <b>State Abbr:</b> IL  <b>State:</b> Illinois  <b>Zip Code:</b> 60103  <b>Data Source:</b> Master Index File;MINES Data Set </div> <div> <b>Miles from Office:</b> 75  <b>SIC:</b> 144200  <b>Primary SIC:</b> Construction Sand and Gravel  <b>Primary SIC CD 1:</b> 1442  <b>Primary SIC CD SFX:</b> 00  <b>Primary Canvass:</b> SandAndGravel  <b>Primary Canvass CD:</b> 5  <b>Secondary SIC:</b>  <b>Secondary SIC 1:</b> 000000  <b>Secondary SIC 2:</b> 000000  <b>Secondary SIC 3:</b> 000000  <b>Secondary SIC 4:</b> 000000  <b>Secondary SIC 5:</b> 000000  <b>Secondary SIC CD:</b>  <b>Secondary SIC CD 1:</b>  <b>Sec SIC CD Sfx:</b>  <b>Sec Canvass CD:</b>  <b>Secondary Canvass:</b>  <b>Primary SIC CD:</b> Construction Sand and Gravel  <b>Country:</b> USA  <b>Province:</b>  <b>Postal CD:</b>  <b>State Abbrev:</b> IL  <b>County Code:</b> 089  <b>State Code:</b> 17  <b>District:</b> M4  <b>BOM State CD:</b> 11  <b>FIPS Cnty CD:</b> 089  <b>FIPS Cnty Nm:</b> Kane  <b>Cong Dist CD:</b>  <b>Contact Title:</b> Controller  <b>FIPS State CD:</b> 17  <b>Lat Deg:</b> 41  <b>Lat Min:</b> 59  <b>Lat Sec:</b> 10  <b>Long Deg:</b> 088  <b>Long Min:</b> 16  <b>Long Sec:</b> 03  <b>Latitude:</b> 41.986388  <b>Longitude:</b> -88.267777 </div> </div>						

#### Violation Details

<b>Event No:</b>	6571403	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561040	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/08/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1409
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/08/2010
<b>Amount Due:</b>	308				<b>Orig Term Due Dt:</b>	09/09/2010
<b>Amount Paid:</b>	308				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/08/2010
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1445
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.9300(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	308				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001232				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185385				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1434
<b>Likelihood:</b>	NoLikelihood				<b>Violation Occur Dt:</b>	10/10/2007
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	10/11/2007
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	0800
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	10/11/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/10/2007
<b>Inj Illness:</b>	NoLostDays				<b>Termination Time:</b>	1500
<b>No Affected:</b>	0				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	41.13
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183368				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/12/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1700
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/12/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/13/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	0800
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/13/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/13/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0855
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14112(a)(1)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0800411				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831092				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0930
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001				<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0850
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12032
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555455				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	3
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/17/2010
Mine Type:	Surface				Violatn Issue Time:	1139
Likelihood:	Unlikely				Violation Occur Dt:	11/17/2010
Amount Due:	100				Orig Term Due Dt:	11/18/2010
Amount Paid:	100				Orig Term Due Tm:	1030
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	11/18/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	1030
Coal Metal Ind:	M				Termination Dt:	11/18/2010
Inj Illness:	Permanent				Termination Time:	1005
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14107(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	1000323				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	03/22/2008
Controller ID:	M09146				Fiscal Qtr:	4
Contractor ID:					Fiscal Yr:	2007
Violation No:	6186110				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	3
Docket No:					Violat Violatn Cnt:	1
Docket Stat Cd:					Violation Issue Dt:	07/10/2007
Mine Type:	Surface				Violatn Issue Time:	1300
Likelihood:	Unlikely				Violation Occur Dt:	07/10/2007
Amount Due:	100				Orig Term Due Dt:	07/10/2007
Amount Paid:	100				Orig Term Due Tm:	1400
Asmt Generated Ind:	No				Inspectn Begin Dt:	07/09/2007
Asses Case Stat Cd:	Closed				Inspection End Dt:	07/11/2007
Bill Print Dt:	02/13/2008				Last Action Cd:	Paid
Cal Qtr:	3				Last Action Dt:	09/04/2008
Cal Yr:	2007				Latest Term Due Dt:	07/10/2007
Cit Ord Safe:	Citation				Latest Term Due Tm:	1400
Coal Metal Ind:	M				Termination Dt:	07/10/2007
Inj Illness:	Fatal				Termination Time:	1615
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12004
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violation Details</b>						
Event No:	0970413				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	07/27/2003
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2003
Violation No:	6160108				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	0
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	03/06/2003
Mine Type:	Surface				Violatn Issue Time:	1215
Likelihood:	Unlikely				Violation Occur Dt:	03/06/2003
Amount Due:	55				Orig Term Due Dt:	
Amount Paid:	55				Orig Term Due Tm:	
Asmt Generated Ind:	No				Inspectn Begin Dt:	03/06/2003
Asses Case Stat Cd:	Closed				Inspection End Dt:	03/13/2003
Bill Print Dt:	05/15/2003				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	06/30/2003
Cal Yr:	2003				Latest Term Due Dt:	03/07/2003
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	03/12/2003
Inj Illness:	Permanent				Termination Time:	0750
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14201(b)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:	03/06/2003				Section of Act 1:	104(a)
Proposed Penalty:	55				Section of Act 2:	
Mine Name:	Raymond St					
Controller Name:	Michael P Vondra					
Violator Name:	Bluff City Materials, Inc.					

#### Violation Details

Event No:	6580026				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	01/16/2013
Controller ID:	M09146				Fiscal Qtr:	3
Contractor ID:					Fiscal Yr:	2012
Violation No:	8669035				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	0
Docket No:					Violat Violatn Cnt:	15
Docket Stat Cd:					Violation Issue Dt:	06/20/2012
Mine Type:	Surface				Violatn Issue Time:	0810
Likelihood:	Unlikely				Violation Occur Dt:	06/20/2012
Amount Due:	100				Orig Term Due Dt:	06/20/2012
Amount Paid:	100				Orig Term Due Tm:	0830
Asmt Generated Ind:	No				Inspectn Begin Dt:	06/20/2012
Asses Case Stat Cd:	Closed				Inspection End Dt:	06/21/2012
Bill Print Dt:	12/12/2012				Last Action Cd:	Paid
Cal Qtr:	2				Last Action Dt:	03/03/2013
Cal Yr:	2012				Latest Term Due Dt:	06/20/2012
Cit Ord Safe:	Citation				Latest Term Due Tm:	0830
Coal Metal Ind:	M				Termination Dt:	06/20/2012
Inj Illness:	LostDays				Termination Time:	0815
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	47.44(b)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:	Raymond St					



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	6519314			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	11/18/2011	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2011	
<b>Violation No:</b>	6555454			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	3	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	0	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	11/17/2010	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1121	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	11/17/2010	
<b>Amount Due:</b>	138			<b>Orig Term Due Dt:</b>	11/17/2010	
<b>Amount Paid:</b>	138			<b>Orig Term Due Tm:</b>	1140	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	11/17/2010	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	12/02/2010	
<b>Bill Print Dt:</b>	01/12/2011			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	02/09/2012	
<b>Cal Yr:</b>	2010			<b>Latest Term Due Dt:</b>	11/17/2010	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	1140	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	11/18/2010	
<b>Inj Illness:</b>	Permanent			<b>Termination Time:</b>	1010	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.14107(a)	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	138			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	0970413			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	07/27/2003	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	2	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2003	
<b>Violation No:</b>	6160107			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	0	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	0	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	03/06/2003	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	1130	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	03/06/2003	
<b>Amount Due:</b>	55			<b>Orig Term Due Dt:</b>		
<b>Amount Paid:</b>	55			<b>Orig Term Due Tm:</b>		
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	03/06/2003	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	03/13/2003	
<b>Bill Print Dt:</b>	05/15/2003			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	1			<b>Last Action Dt:</b>	06/30/2003	
<b>Cal Yr:</b>	2003			<b>Latest Term Due Dt:</b>	03/07/2003	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	0800	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	03/12/2003	
<b>Inj Illness:</b>	Permanent			<b>Termination Time:</b>	0730	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.11012	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Right to Conf Dt:</b>	03/06/2003				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	0800411				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831095				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1015
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	224				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	224				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001				<b>Latest Term Due Dt:</b>	01/17/2001
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/17/2001
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1130
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12030
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	224				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555460				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1446
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/19/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1007
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.12023	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>				<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	100			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6580609	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	02/21/2013
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2013
<b>Violation No:</b>	8670614	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	10/23/2012
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1022
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	10/23/2012
<b>Amount Due:</b>	224	<b>Orig Term Due Dt:</b>	10/29/2012
<b>Amount Paid:</b>	224	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	10/17/2012
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	10/24/2012
<b>Bill Print Dt:</b>	01/16/2013	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	08/29/2013
<b>Cal Yr:</b>	2012	<b>Latest Term Due Dt:</b>	10/29/2012
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	10/30/2012
<b>Inj Illness:</b>	Permanent	<b>Termination Time:</b>	1445
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	Yes	<b>Part Section:</b>	56.14100(b)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	224	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	0988568	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	08/28/2004
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2004
<b>Violation No:</b>	6163219	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	06/08/2004
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1115
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	06/08/2004
<b>Amount Due:</b>	60	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	60	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	06/08/2004
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	06/09/2004
<b>Bill Print Dt:</b>	07/14/2004	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2	<b>Last Action Dt:</b>	09/16/2004
<b>Cal Yr:</b>	2004	<b>Latest Term Due Dt:</b>	06/08/2004
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	06/08/2004
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1315

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.41(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	06/08/2004				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555466	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1247
<b>Likelihood:</b>	NoLikelihood	<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/22/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/22/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	NoLostDays	<b>Termination Time:</b>	1100
<b>No Affected:</b>	0	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	46.9(a)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	6571403	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561035	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	09/08/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1400
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	09/08/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	09/12/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	0700
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3	<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	09/12/2010

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0700
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1115
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4201(a)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001232	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185388	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	10/11/2007
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1240
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	10/11/2007
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	10/11/2007
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1300
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007	<b>Latest Term Due Dt:</b>	10/11/2007
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1300
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	10/11/2007
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1252
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.4201(a)(1)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831089	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0840
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Bill Print Dt:</b>	02/22/2001				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001				<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0900
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4402
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6580026				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	01/16/2013
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2012
<b>Violation No:</b>	8669036				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	06/20/2012
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0827
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	06/20/2012
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	06/20/2012
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	0900
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	06/20/2012
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	06/21/2012
<b>Bill Print Dt:</b>	12/12/2012				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2				<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012				<b>Latest Term Due Dt:</b>	06/20/2012
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0900
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	06/20/2012
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	0855
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12023
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989343				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/04/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2006
<b>Violation No:</b>	6183557				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/29/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0950
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/29/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	11/29/2005



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1600
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/29/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	11/30/2005
<b>Bill Print Dt:</b>	01/18/2006				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	05/11/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	11/29/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/29/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1603
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555456				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1207
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	2000				<b>Orig Term Due Dt:</b>	11/17/2010
<b>Amount Paid:</b>	2000				<b>Orig Term Due Tm:</b>	1230
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/17/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1230
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/18/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1332
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	HighNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	Yes				<b>Part Section:</b>	56.9300(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(d)(1)
<b>Proposed Penalty:</b>	2000				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001506				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	04/17/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6404525				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/29/2008

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1230
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/29/2008
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	01/31/2008
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/29/2008
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/30/2008
<b>Bill Print Dt:</b>	03/12/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	04/21/2008
<b>Cal Yr:</b>	2008				<b>Latest Term Due Dt:</b>	01/31/2008
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	02/12/2008
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1013
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14110
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831094	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violtn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1015
<b>Likelihood:</b>	Reasonably	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	224	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	224	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001	<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>	Fatal	<b>Termination Time:</b>	0840
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.12030
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	224	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	0989343	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/04/2006
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2006
<b>Violation No:</b>	6183556	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/29/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0818
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/29/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	11/29/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1600
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/29/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	11/30/2005
<b>Bill Print Dt:</b>	01/18/2006				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	05/11/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	11/29/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/29/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0820
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.44(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183366				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/12/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1615
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/12/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/13/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	0800
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/13/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/13/2005
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0700
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14100(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183367				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/12/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1635
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/12/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/12/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1700
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/12/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1700
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/12/2005
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1650
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.16006
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0989039				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/09/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2005
<b>Violation No:</b>	6183369				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	14
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	4
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/13/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0745
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	09/13/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	09/13/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1000
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/12/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/13/2005
<b>Bill Print Dt:</b>	10/12/2005				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	07/10/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	09/13/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1000
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/13/2005
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0830
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4104(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561043				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/09/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	0720
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/09/2010
<b>Amount Due:</b>	138				<b>Orig Term Due Dt:</b>	09/09/2010
<b>Amount Paid:</b>	138				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1139
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12019
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	138				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001232				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185386				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/11/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1019
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	10/11/2007
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	10/11/2007
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	10/11/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/11/2007
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1125
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violation Details</b>						
Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555457				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	3
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/17/2010
Mine Type:	Surface				Violatn Issue Time:	1222
Likelihood:	Unlikely				Violation Occur Dt:	11/17/2010
Amount Due:	100				Orig Term Due Dt:	11/19/2010
Amount Paid:	100				Orig Term Due Tm:	1200
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	11/19/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	1200
Coal Metal Ind:	M				Termination Dt:	11/30/2010
Inj Illness:	LostDays				Termination Time:	1317
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12018
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555463				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/18/2010
Mine Type:	Surface				Violatn Issue Time:	0800
Likelihood:	NoLikelihood				Violation Occur Dt:	11/18/2010
Amount Due:	100				Orig Term Due Dt:	11/22/2010
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	12/14/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	0800
Coal Metal Ind:	M				Termination Dt:	12/14/2010
Inj Illness:	NoLostDays				Termination Time:	1400
No Affected:	0				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14130(h)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Controller Name:	Michael P Vondra
Violator Name:	Bluff City Materials, Inc.

#### Violation Details

Event No:	1001232	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	03/22/2008
Controller ID:	M09146	Fiscal Qtr:	1
Contractor ID:		Fiscal Yr:	2008
Violation No:	6185387	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	4
Docket No:		Violat Violatn Cnt:	1
Docket Stat Cd:		Violation Issue Dt:	10/11/2007
Mine Type:	Surface	Violatn Issue Time:	1049
Likelihood:	Unlikely	Violation Occur Dt:	10/11/2007
Amount Due:	100	Orig Term Due Dt:	10/11/2007
Amount Paid:	100	Orig Term Due Tm:	1200
Asmt Generated Ind:	No	Inspectn Begin Dt:	10/09/2007
Asses Case Stat Cd:	Closed	Inspection End Dt:	10/12/2007
Bill Print Dt:	02/13/2008	Last Action Cd:	Paid
Cal Qtr:	4	Last Action Dt:	09/04/2008
Cal Yr:	2007	Latest Term Due Dt:	10/11/2007
Cit Ord Safe:	Citation	Latest Term Due Tm:	1200
Coal Metal Ind:	M	Termination Dt:	10/11/2007
Inj Illness:	Permanent	Termination Time:	1249
No Affected:	1	Termination Type:	Terminated
Negligence:	LowNegligence	Vacate Dt:	
Written Notice:		Vacate Time:	
Enforcement Area:		Sig Sub:	No
Special Assess:	No	Part Section:	56.12004
Primary or Mill:	Primary	Section of Act:	
Right to Conf Dt:		Section of Act 1:	104(a)
Proposed Penalty:	100	Section of Act 2:	
Mine Name:	Raymond St		
Controller Name:	Michael P Vondra		
Violator Name:	Bluff City Materials, Inc.		

#### Violation Details

Event No:	6519314	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146	Fiscal Qtr:	1
Contractor ID:		Fiscal Yr:	2011
Violation No:	6555462	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	4
Docket No:		Violat Violatn Cnt:	0
Docket Stat Cd:		Violation Issue Dt:	11/18/2010
Mine Type:	Surface	Violatn Issue Time:	0750
Likelihood:	Unlikely	Violation Occur Dt:	11/18/2010
Amount Due:	100	Orig Term Due Dt:	11/22/2010
Amount Paid:	100	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed	Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011	Last Action Cd:	Paid
Cal Qtr:	4	Last Action Dt:	02/09/2012
Cal Yr:	2010	Latest Term Due Dt:	12/14/2010
Cit Ord Safe:	Citation	Latest Term Due Tm:	0800
Coal Metal Ind:	M	Termination Dt:	12/14/2010
Inj Illness:	LostDays	Termination Time:	1355
No Affected:	1	Termination Type:	Terminated
Negligence:	ModNegligence	Vacate Dt:	
Written Notice:		Vacate Time:	
Enforcement Area:		Sig Sub:	No
Special Assess:	No	Part Section:	56.14100(b)
Primary or Mill:	Primary	Section of Act:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>		100			<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>		6519314			<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>		M09146			<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>		6555467			<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>		L11868			<b>Viola Insp Day Cnt:</b>	5
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	6
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/19/2010
<b>Mine Type:</b>		Surface			<b>Violatn Issue Time:</b>	0844
<b>Likelihood:</b>		Unlikely			<b>Violation Occur Dt:</b>	11/19/2010
<b>Amount Due:</b>		100			<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>		100			<b>Orig Term Due Tm:</b>	0900
<b>Asmt Generated Ind:</b>		No			<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>		Closed			<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>		01/12/2011			<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>		4			<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>		2010			<b>Latest Term Due Dt:</b>	11/19/2010
<b>Cit Ord Safe:</b>		Citation			<b>Latest Term Due Tm:</b>	0900
<b>Coal Metal Ind:</b>		M			<b>Termination Dt:</b>	11/19/2010
<b>Inj Illness:</b>		Fatal			<b>Termination Time:</b>	0850
<b>No Affected:</b>		1			<b>Termination Type:</b>	Terminated
<b>Negligence:</b>		ModNegligence			<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>		No			<b>Part Section:</b>	56.14206(b)
<b>Primary or Mill:</b>		Primary			<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>		100			<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>		0800411			<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>		M09146			<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>		7831093			<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>		L11868			<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>		Surface			<b>Violatn Issue Time:</b>	1005
<b>Likelihood:</b>		Unlikely			<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>		55			<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>		55			<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>		No			<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>		Closed			<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>		02/22/2001			<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>		1			<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>		2001			<b>Latest Term Due Dt:</b>	01/19/2001
<b>Cit Ord Safe:</b>		Citation			<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>		M			<b>Termination Dt:</b>	01/18/2001
<b>Inj Illness:</b>		LostDays			<b>Termination Time:</b>	0845
<b>No Affected:</b>		1			<b>Termination Type:</b>	Terminated
<b>Negligence:</b>		LowNegligence			<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.12025	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>	01/17/2001			<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	55			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6571403	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561042	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	09/09/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0743
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	09/09/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	09/12/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3	<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	09/12/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	0750
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.4201(a)(1)
<b>Primary or Mill:</b>	Mill	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555458	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/17/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1341
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/19/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	12/14/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	12/14/2010
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1414

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	Yes				Part Section:	56.14101(a)(2)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	6571403	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	11/18/2010
Controller ID:	M09146	Fiscal Qtr:	4
Contractor ID:		Fiscal Yr:	2010
Violation No:	6561044	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	1
Docket No:		Violat Violatn Cnt:	0
Docket Stat Cd:		Violation Issue Dt:	09/09/2010
Mine Type:	Surface	Violatn Issue Time:	0830
Likelihood:	Reasonably	Violation Occur Dt:	09/09/2010
Amount Due:	176	Orig Term Due Dt:	09/09/2010
Amount Paid:	176	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	09/08/2010
Asses Case Stat Cd:	Closed	Inspection End Dt:	09/10/2010
Bill Print Dt:	10/13/2010	Last Action Cd:	Paid
Cal Qtr:	3	Last Action Dt:	11/10/2010
Cal Yr:	2010	Latest Term Due Dt:	09/09/2010
Cit Ord Safe:	Citation	Latest Term Due Tm:	1500
Coal Metal Ind:	M	Termination Dt:	09/09/2010
Inj Illness:	Permanent	Termination Time:	1100
No Affected:	3	Termination Type:	Terminated
Negligence:	ModNegligence	Vacate Dt:	
Written Notice:		Vacate Time:	
Enforcement Area:		Sig Sub:	Yes
Special Assess:	No	Part Section:	56.18002(a)
Primary or Mill:	Mill	Section of Act:	
Right to Conf Dt:		Section of Act 1:	104(a)
Proposed Penalty:	176	Section of Act 2:	
Mine Name:			
Controller Name:			
Violator Name:			

#### Violation Details

Event No:	1001506	Contested Ind:	No
Initial Viol No:		Contested Dt:	
Replaced by Ord No:		Final Ord Issue Dt:	04/17/2008
Controller ID:	M09146	Fiscal Qtr:	2
Contractor ID:		Fiscal Yr:	2008
Violation No:	6404522	Violator Type CD:	Operator
Violator ID:	L11868	Viola Insp Day Cnt:	4
Docket No:		Violat Violatn Cnt:	1
Docket Stat Cd:		Violation Issue Dt:	01/29/2008
Mine Type:	Surface	Violatn Issue Time:	1047
Likelihood:	Unlikely	Violation Occur Dt:	01/29/2008
Amount Due:	100	Orig Term Due Dt:	01/30/2008
Amount Paid:	100	Orig Term Due Tm:	1500
Asmt Generated Ind:	No	Inspectn Begin Dt:	01/29/2008
Asses Case Stat Cd:	Closed	Inspection End Dt:	01/30/2008
Bill Print Dt:	03/12/2008	Last Action Cd:	Paid
Cal Qtr:	1	Last Action Dt:	04/21/2008
Cal Yr:	2008	Latest Term Due Dt:	01/30/2008

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/30/2008
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1330
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14110
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0800411	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	03/23/2001
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2001
<b>Violation No:</b>	7831090	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	01/17/2001
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	0925
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	01/17/2001
<b>Amount Due:</b>	55	<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55	<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	01/16/2001
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	01/18/2001
<b>Bill Print Dt:</b>	02/22/2001	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1	<b>Last Action Dt:</b>	03/23/2001
<b>Cal Yr:</b>	2001	<b>Latest Term Due Dt:</b>	01/18/2001
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	0800
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	01/17/2001
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	1140
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.9300(b)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	01/17/2001	<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55	<b>Section of Act 2:</b>	
<b>Mine Name:</b>			
<b>Controller Name:</b>			
<b>Violator Name:</b>			

#### Violation Details

<b>Event No:</b>	6580026	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	01/16/2013
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	3
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2012
<b>Violation No:</b>	8669037	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>		<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	06/20/2012
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1020
<b>Likelihood:</b>	Reasonably	<b>Violation Occur Dt:</b>	06/20/2012
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	06/20/2012
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1035
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	06/20/2012
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	06/21/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Bill Print Dt:</b>	12/12/2012				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	2				<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012				<b>Latest Term Due Dt:</b>	06/20/2012
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1035
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	06/20/2012
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1030
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	Yes				<b>Part Section:</b>	56.14101(a)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1001232				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6185384				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1320
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	10/10/2007
<b>Amount Due:</b>	112				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	112				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/12/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	
<b>Cit Ord Safe:</b>	Order				<b>Latest Term Due Tm:</b>	
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/10/2007
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1545
<b>No Affected:</b>	2				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	LowNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	46.5(d)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(g)(1)
<b>Proposed Penalty:</b>	112				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6571403				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2010
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2010
<b>Violation No:</b>	6561041				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	1
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	09/08/2010
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1451
<b>Likelihood:</b>	Reasonably				<b>Violation Occur Dt:</b>	09/08/2010
<b>Amount Due:</b>	138				<b>Orig Term Due Dt:</b>	09/09/2010



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Amount Paid:</b>	138				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	09/08/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	09/10/2010
<b>Bill Print Dt:</b>	10/13/2010				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/10/2010
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	09/09/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	09/09/2010
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	0755
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	Yes
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.9300(b)
<b>Primary or Mill:</b>	Mill				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	138				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	1000323				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/22/2008
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2007
<b>Violation No:</b>	6186109				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	07/10/2007
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1240
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	07/10/2007
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	07/10/2007
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1400
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	07/09/2007
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	07/11/2007
<b>Bill Print Dt:</b>	02/13/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	09/04/2008
<b>Cal Yr:</b>	2007				<b>Latest Term Due Dt:</b>	07/10/2007
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1400
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	07/10/2007
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1600
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12004
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6519314				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555459				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	3
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/17/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1404
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/17/2010
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	11/17/2010
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010				<b>Latest Term Due Dt:</b>	11/17/2010
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	11/17/2010
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	1408
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	47.44(b)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	6519314	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	11/18/2011
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2011
<b>Violation No:</b>	6555464	<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868	<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>		<b>Violat Violtn Cnt:</b>	0
<b>Docket Stat Cd:</b>		<b>Violation Issue Dt:</b>	11/18/2010
<b>Mine Type:</b>	Surface	<b>Violatn Issue Time:</b>	1049
<b>Likelihood:</b>	Unlikely	<b>Violation Occur Dt:</b>	11/18/2010
<b>Amount Due:</b>	100	<b>Orig Term Due Dt:</b>	11/22/2010
<b>Amount Paid:</b>	100	<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No	<b>Inspectn Begin Dt:</b>	11/17/2010
<b>Asses Case Stat Cd:</b>	Closed	<b>Inspection End Dt:</b>	12/02/2010
<b>Bill Print Dt:</b>	01/12/2011	<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4	<b>Last Action Dt:</b>	02/09/2012
<b>Cal Yr:</b>	2010	<b>Latest Term Due Dt:</b>	11/22/2010
<b>Cit Ord Safe:</b>	Citation	<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M	<b>Termination Dt:</b>	11/30/2010
<b>Inj Illness:</b>	LostDays	<b>Termination Time:</b>	0955
<b>No Affected:</b>	1	<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence	<b>Vacate Dt:</b>	
<b>Written Notice:</b>		<b>Vacate Time:</b>	
<b>Enforcement Area:</b>		<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No	<b>Part Section:</b>	56.4130(a)(2)
<b>Primary or Mill:</b>	Primary	<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>		<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100	<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St		
<b>Controller Name:</b>	Michael P Vondra		
<b>Violator Name:</b>	Bluff City Materials, Inc.		

#### Violation Details

<b>Event No:</b>	1001506	<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>		<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>		<b>Final Ord Issue Dt:</b>	04/17/2008
<b>Controller ID:</b>	M09146	<b>Fiscal Qtr:</b>	2
<b>Contractor ID:</b>		<b>Fiscal Yr:</b>	2008
<b>Violation No:</b>	6404523	<b>Violator Type CD:</b>	Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	4
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	1
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	01/29/2008
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1118
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	01/29/2008
<b>Amount Due:</b>	100				<b>Orig Term Due Dt:</b>	01/29/2008
<b>Amount Paid:</b>	100				<b>Orig Term Due Tm:</b>	1500
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	01/29/2008
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	01/30/2008
<b>Bill Print Dt:</b>	03/12/2008				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	1				<b>Last Action Dt:</b>	04/21/2008
<b>Cal Yr:</b>	2008				<b>Latest Term Due Dt:</b>	01/29/2008
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1500
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	01/29/2008
<b>Inj Illness:</b>	Fatal				<b>Termination Time:</b>	1448
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.12032
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	100				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	0697539				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	11/22/2000
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	4
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2000
<b>Violation No:</b>	7831007				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	0
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	0
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	08/17/2000
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1055
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	08/17/2000
<b>Amount Due:</b>	55				<b>Orig Term Due Dt:</b>	
<b>Amount Paid:</b>	55				<b>Orig Term Due Tm:</b>	
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	08/17/2000
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	08/18/2000
<b>Bill Print Dt:</b>	10/20/2000				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	3				<b>Last Action Dt:</b>	11/22/2000
<b>Cal Yr:</b>	2000				<b>Latest Term Due Dt:</b>	08/18/2000
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	0600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	08/18/2000
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0625
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>	08/17/2000				<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	55				<b>Section of Act 2:</b>	
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

#### Violation Details

<b>Event No:</b>	6580609				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	01/16/2013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2013
<b>Violation No:</b>	8670613				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	2
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	15
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	10/17/2012
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1533
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	10/17/2012
<b>Amount Due:</b>	150				<b>Orig Term Due Dt:</b>	10/18/2012
<b>Amount Paid:</b>	150				<b>Orig Term Due Tm:</b>	1200
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	10/17/2012
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	10/24/2012
<b>Bill Print Dt:</b>	12/12/2012				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	03/03/2013
<b>Cal Yr:</b>	2012				<b>Latest Term Due Dt:</b>	10/18/2012
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1200
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	10/18/2012
<b>Inj Illness:</b>	LostDays				<b>Termination Time:</b>	0930
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.4200(b)(2)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	150				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

<b>Event No:</b>	0989343				<b>Contested Ind:</b>	No
<b>Initial Viol No:</b>					<b>Contested Dt:</b>	
<b>Replaced by Ord No:</b>					<b>Final Ord Issue Dt:</b>	03/04/2006
<b>Controller ID:</b>	M09146				<b>Fiscal Qtr:</b>	1
<b>Contractor ID:</b>					<b>Fiscal Yr:</b>	2006
<b>Violation No:</b>	6183558				<b>Violator Type CD:</b>	Operator
<b>Violator ID:</b>	L11868				<b>Viola Insp Day Cnt:</b>	11
<b>Docket No:</b>					<b>Violat Violatn Cnt:</b>	2
<b>Docket Stat Cd:</b>					<b>Violation Issue Dt:</b>	11/29/2005
<b>Mine Type:</b>	Surface				<b>Violatn Issue Time:</b>	1030
<b>Likelihood:</b>	Unlikely				<b>Violation Occur Dt:</b>	11/29/2005
<b>Amount Due:</b>	60				<b>Orig Term Due Dt:</b>	11/29/2005
<b>Amount Paid:</b>	60				<b>Orig Term Due Tm:</b>	1600
<b>Asmt Generated Ind:</b>	No				<b>Inspectn Begin Dt:</b>	11/29/2005
<b>Asses Case Stat Cd:</b>	Closed				<b>Inspection End Dt:</b>	11/30/2005
<b>Bill Print Dt:</b>	01/18/2006				<b>Last Action Cd:</b>	Paid
<b>Cal Qtr:</b>	4				<b>Last Action Dt:</b>	05/11/2006
<b>Cal Yr:</b>	2005				<b>Latest Term Due Dt:</b>	11/29/2005
<b>Cit Ord Safe:</b>	Citation				<b>Latest Term Due Tm:</b>	1600
<b>Coal Metal Ind:</b>	M				<b>Termination Dt:</b>	12/01/2005
<b>Inj Illness:</b>	Permanent				<b>Termination Time:</b>	1351
<b>No Affected:</b>	1				<b>Termination Type:</b>	Terminated
<b>Negligence:</b>	ModNegligence				<b>Vacate Dt:</b>	
<b>Written Notice:</b>					<b>Vacate Time:</b>	
<b>Enforcement Area:</b>					<b>Sig Sub:</b>	No
<b>Special Assess:</b>	No				<b>Part Section:</b>	56.14107(a)
<b>Primary or Mill:</b>	Primary				<b>Section of Act:</b>	
<b>Right to Conf Dt:</b>					<b>Section of Act 1:</b>	104(a)
<b>Proposed Penalty:</b>	60				<b>Section of Act 2:</b>	
<b>Mine Name:</b>	Raymond St					
<b>Controller Name:</b>	Michael P Vondra					
<b>Violator Name:</b>	Bluff City Materials, Inc.					

#### Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Event No:	1001506				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	04/17/2008
Controller ID:	M09146				Fiscal Qtr:	2
Contractor ID:					Fiscal Yr:	2008
Violation No:	6404524				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	1
Docket Stat Cd:					Violation Issue Dt:	01/29/2008
Mine Type:	Surface				Violatn Issue Time:	1152
Likelihood:	Unlikely				Violation Occur Dt:	01/29/2008
Amount Due:	100				Orig Term Due Dt:	01/29/2008
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	01/29/2008
Asses Case Stat Cd:	Closed				Inspection End Dt:	01/30/2008
Bill Print Dt:	03/12/2008				Last Action Cd:	Paid
Cal Qtr:	1				Last Action Dt:	04/21/2008
Cal Yr:	2008				Latest Term Due Dt:	01/29/2008
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	01/29/2008
Inj Illness:	Permanent				Termination Time:	1220
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14107(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	0988568				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	08/28/2004
Controller ID:	M09146				Fiscal Qtr:	3
Contractor ID:					Fiscal Yr:	2004
Violation No:	6163220				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	11
Docket No:					Violat Violatn Cnt:	2
Docket Stat Cd:					Violation Issue Dt:	06/08/2004
Mine Type:	Surface				Violatn Issue Time:	1135
Likelihood:	Unlikely				Violation Occur Dt:	06/08/2004
Amount Due:	60				Orig Term Due Dt:	
Amount Paid:	60				Orig Term Due Tm:	
Asmt Generated Ind:	No				Inspectn Begin Dt:	06/08/2004
Asses Case Stat Cd:	Closed				Inspection End Dt:	06/09/2004
Bill Print Dt:	07/14/2004				Last Action Cd:	Paid
Cal Qtr:	2				Last Action Dt:	09/16/2004
Cal Yr:	2004				Latest Term Due Dt:	06/08/2004
Cit Ord Safe:	Citation				Latest Term Due Tm:	1500
Coal Metal Ind:	M				Termination Dt:	06/08/2004
Inj Illness:	LostDays				Termination Time:	1330
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.4104(b)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:	06/08/2004				Section of Act 1:	104(a)
Proposed Penalty:	60				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Violation Details</b>						
Event No:	0999754				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	03/31/2007
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2007
Violation No:	6185195				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	13
Docket No:					Violat Violatn Cnt:	9
Docket Stat Cd:					Violation Issue Dt:	12/13/2006
Mine Type:	Surface				Violatn Issue Time:	1150
Likelihood:	Unlikely				Violation Occur Dt:	12/13/2006
Amount Due:	60				Orig Term Due Dt:	12/14/2006
Amount Paid:	60				Orig Term Due Tm:	1200
Asmt Generated Ind:	No				Inspectn Begin Dt:	12/13/2006
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/14/2006
Bill Print Dt:	02/14/2007				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	07/11/2007
Cal Yr:	2006				Latest Term Due Dt:	12/14/2006
Cit Ord Safe:	Citation				Latest Term Due Tm:	1200
Coal Metal Ind:	M				Termination Dt:	12/14/2006
Inj Illness:	Permanent				Termination Time:	0735
No Affected:	1				Termination Type:	Terminated
Negligence:	ModNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.14107(a)
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	60				Section of Act 2:	
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				

#### Violation Details

Event No:	6519314				Contested Ind:	No
Initial Viol No:					Contested Dt:	
Replaced by Ord No:					Final Ord Issue Dt:	11/18/2011
Controller ID:	M09146				Fiscal Qtr:	1
Contractor ID:					Fiscal Yr:	2011
Violation No:	6555465				Violator Type CD:	Operator
Violator ID:	L11868				Viola Insp Day Cnt:	4
Docket No:					Violat Violatn Cnt:	0
Docket Stat Cd:					Violation Issue Dt:	11/18/2010
Mine Type:	Surface				Violatn Issue Time:	1150
Likelihood:	Unlikely				Violation Occur Dt:	11/18/2010
Amount Due:	100				Orig Term Due Dt:	11/22/2010
Amount Paid:	100				Orig Term Due Tm:	1500
Asmt Generated Ind:	No				Inspectn Begin Dt:	11/17/2010
Asses Case Stat Cd:	Closed				Inspection End Dt:	12/02/2010
Bill Print Dt:	01/12/2011				Last Action Cd:	Paid
Cal Qtr:	4				Last Action Dt:	02/09/2012
Cal Yr:	2010				Latest Term Due Dt:	12/07/2010
Cit Ord Safe:	Citation				Latest Term Due Tm:	0800
Coal Metal Ind:	M				Termination Dt:	12/14/2010
Inj Illness:	LostDays				Termination Time:	1405
No Affected:	1				Termination Type:	Terminated
Negligence:	LowNegligence				Vacate Dt:	
Written Notice:					Vacate Time:	
Enforcement Area:					Sig Sub:	No
Special Assess:	No				Part Section:	56.12028
Primary or Mill:	Primary				Section of Act:	
Right to Conf Dt:					Section of Act 1:	104(a)
Proposed Penalty:	100				Section of Act 2:	
Mine Name:		Raymond St				



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				
<b><u>Violation Details</u></b>						
<b>Event No:</b>	0800411			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	03/23/2001	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	2	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2001	
<b>Violation No:</b>	7831091			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	0	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	0	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	01/17/2001	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	0928	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	01/17/2001	
<b>Amount Due:</b>	55			<b>Orig Term Due Dt:</b>		
<b>Amount Paid:</b>	55			<b>Orig Term Due Tm:</b>		
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	01/16/2001	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	01/18/2001	
<b>Bill Print Dt:</b>	02/22/2001			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	1			<b>Last Action Dt:</b>	03/23/2001	
<b>Cal Yr:</b>	2001			<b>Latest Term Due Dt:</b>	01/18/2001	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	0800	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	01/18/2001	
<b>Inj Illness:</b>	LostDays			<b>Termination Time:</b>	0855	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	LowNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	No			<b>Part Section:</b>	56.12008	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		
<b>Right to Conf Dt:</b>	01/17/2001			<b>Section of Act 1:</b>	104(a)	
<b>Proposed Penalty:</b>	55			<b>Section of Act 2:</b>		
<b>Mine Name:</b>		Raymond St				
<b>Controller Name:</b>		Michael P Vondra				
<b>Violator Name:</b>		Bluff City Materials, Inc.				

**Violation Details**

<b>Event No:</b>	6519314			<b>Contested Ind:</b>	No	
<b>Initial Viol No:</b>				<b>Contested Dt:</b>		
<b>Replaced by Ord No:</b>				<b>Final Ord Issue Dt:</b>	11/18/2011	
<b>Controller ID:</b>	M09146			<b>Fiscal Qtr:</b>	1	
<b>Contractor ID:</b>				<b>Fiscal Yr:</b>	2011	
<b>Violation No:</b>	6555468			<b>Violator Type CD:</b>	Operator	
<b>Violator ID:</b>	L11868			<b>Viola Insp Day Cnt:</b>	5	
<b>Docket No:</b>				<b>Violat Violatn Cnt:</b>	6	
<b>Docket Stat Cd:</b>				<b>Violation Issue Dt:</b>	11/19/2010	
<b>Mine Type:</b>	Surface			<b>Violatn Issue Time:</b>	0847	
<b>Likelihood:</b>	Unlikely			<b>Violation Occur Dt:</b>	11/19/2010	
<b>Amount Due:</b>	250			<b>Orig Term Due Dt:</b>	11/19/2010	
<b>Amount Paid:</b>	250			<b>Orig Term Due Tm:</b>	0900	
<b>Asmt Generated Ind:</b>	No			<b>Inspectn Begin Dt:</b>	11/17/2010	
<b>Asses Case Stat Cd:</b>	Closed			<b>Inspection End Dt:</b>	12/02/2010	
<b>Bill Print Dt:</b>	01/12/2011			<b>Last Action Cd:</b>	Paid	
<b>Cal Qtr:</b>	4			<b>Last Action Dt:</b>	02/09/2012	
<b>Cal Yr:</b>	2010			<b>Latest Term Due Dt:</b>	11/19/2010	
<b>Cit Ord Safe:</b>	Citation			<b>Latest Term Due Tm:</b>	0900	
<b>Coal Metal Ind:</b>	M			<b>Termination Dt:</b>	11/30/2010	
<b>Inj Illness:</b>	Fatal			<b>Termination Time:</b>	1104	
<b>No Affected:</b>	1			<b>Termination Type:</b>	Terminated	
<b>Negligence:</b>	ModNegligence			<b>Vacate Dt:</b>		
<b>Written Notice:</b>				<b>Vacate Time:</b>		
<b>Enforcement Area:</b>				<b>Sig Sub:</b>	No	
<b>Special Assess:</b>	Yes			<b>Part Section:</b>	56.14207	
<b>Primary or Mill:</b>	Primary			<b>Section of Act:</b>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Right to Conf Dt:				Section of Act 1:	104(a)	
Proposed Penalty:		308		Section of Act 2:		
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				
Violation Details						
Event No:		6519314		Contested Ind:	No	
Initial Viol No:				Contested Dt:		
Replaced by Ord No:				Final Ord Issue Dt:	11/18/2011	
Controller ID:		M09146		Fiscal Qtr:	1	
Contractor ID:				Fiscal Yr:	2011	
Violation No:		6555461		Violator Type CD:	Operator	
Violator ID:		L11868		Viola Insp Day Cnt:	4	
Docket No:				Violat Violatn Cnt:	0	
Docket Stat Cd:				Violation Issue Dt:	11/18/2010	
Mine Type:		Surface		Violatn Issue Time:	0743	
Likelihood:		NoLikelihood		Violation Occur Dt:	11/18/2010	
Amount Due:		100		Orig Term Due Dt:	11/29/2010	
Amount Paid:		100		Orig Term Due Tm:	1500	
Asmt Generated Ind:		No		Inspectn Begin Dt:	11/17/2010	
Asses Case Stat Cd:		Closed		Inspection End Dt:	12/02/2010	
Bill Print Dt:		01/12/2011		Last Action Cd:	Paid	
Cal Qtr:		4		Last Action Dt:	02/09/2012	
Cal Yr:		2010		Latest Term Due Dt:	11/29/2010	
Cit Ord Safe:		Citation		Latest Term Due Tm:	1500	
Coal Metal Ind:		M		Termination Dt:	11/30/2010	
Inj Illness:		NoLostDays		Termination Time:	0953	
No Affected:		0		Termination Type:	Terminated	
Negligence:		ModNegligence		Vacate Dt:		
Written Notice:				Vacate Time:		
Enforcement Area:				Sig Sub:	No	
Special Assess:		No		Part Section:	56.14130(h)	
Primary or Mill:		Primary		Section of Act:		
Right to Conf Dt:				Section of Act 1:	104(a)	
Proposed Penalty:		100		Section of Act 2:		
Mine Name:		Raymond St				
Controller Name:		Michael P Vondra				
Violator Name:		Bluff City Materials, Inc.				
13	2 of 3	NE	0.15 / 789.13	757.84 / -30	Waste Management West-Elgin/Wayne 7 N 904 Rte 25 Elgin IL 60120	LUST DOCUMENT
Site ID:		170000096063		Originating Bureau:		Bureau of Land
System ID:		0894385451		City (Doc Search):		Elgin
Program ID:		0894385451		State (Doc Search):		IL
Interest Type:		LUST		Zip (Doc Search):		60120
Media Code:		LAND		City (Geo Search):		Elgin
Category:		Leaking UST Technical		State (Geo Search):		IL
Document Indicator:		Yes		Zip (Geo Search):		60120
Document Count:		5		Latitude:		42.04033
Total Pages:		6		Longitude:		-88.28663
Revision Date Time:		12/30/2013		X:		-88.28662999999995
Collection Date:		01/01/2001		Y:		42.040330000000004
Name (Doc Search):		Waste Management West-Elgin/Wayne - 170000096063				
Addr (Doc Search):		7 N 904 Rte 25				
Name (Geo Search):		Waste Management West-Elgin/Wayne				
Addr (Geo Search):		7 N 904 Rte 25				
Category URL:		https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcjBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRf09IjE3MDAwMDA5NjA2MyIgQU5EIFtDQVRFR09SWV09IjlxQSI1				
Data Source:		IEPA Document Explorer - Facility/Site Search; IEPA Document Explorer - Geographic Search				
Note:		Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">13</a>	3 of 3	NE	0.15 / 789.13	757.84 / -30	Waste Management West-Elgin/Wayne 7 N 904 Rte 25 Elgin IL 60120	AIR PERMITS

**Name (Geo Search):** Waste Management West-Elgin/Wayne  
**Addr (Geo Search):** 7 N 904 Rte 25  
**City (Geo Search):** Elgin  
**State (Geo Search):** IL  
**Postal (Geo Search):** 60120  
**Name (Doc Search):**  
**Addr (Doc Search):**  
**City (Doc Search):**  
**State (Doc Search):**  
**Zip Code (Doc Search):**  
**Data Source:** IEPA Document Explorer - Geographic Search  
**Note:** Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: <https://external.epa.illinois.gov/DocumentExplorer>

#### IEPA Mapping Service

<b>Site ID:</b>	170000096063	<b>Document Indicator:</b>	Yes
<b>System ID:</b>	089813AAL	<b>Latitude:</b>	42.138725
<b>Interest Type:</b>	PERMIT	<b>Longitude:</b>	-88.257381
<b>Media Code:</b>	AIR	<b>X:</b>	-88.25738099999995
<b>Revision Date/Time:</b>	12/30/2013	<b>Y:</b>	42.138725000000008
<b>Collection Date:</b>			

<a href="#">14</a>	1 of 4	SSE	0.16 / 837.95	739.93 / -48	Waste Management Of Illinois Inc 7 N 500 Route 25 South Elgin, IL 60177 IL	UST
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<b>Facility No:</b>	2007470	<b>Facility Type:</b>	Other
<b>Facility Status:</b>	Closed	<b>Owner Type:</b>	
<b>Fac Details Status:</b>	Closed	<b>Owner Status:</b>	Current Owner
<b>Fac Type Fac Details:</b>	Other	<b>County:</b>	Kane
<b>Owner Name:</b>	Waste Management of Illinois, Inc.		
<b>Facility URL:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2007470">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2007470</a>		

#### Tank Information

<b>Tank No:</b>	1	<b>Capacity:</b>	10000
<b>UI No:</b>		<b>Petroleum Use:</b>	
<b>Status:</b>	Removed	<b>Product:</b>	Diesel Fuel
<b>Removed Date:</b>	7/10/1992	<b>CERCLA Substance:</b>	
<b>Install Date:</b>	4/1/1977	<b>Current Age:</b>	15
<b>Abandoned Date:</b>		<b>Abandoned Material:</b>	
<b>Last Used Date:</b>	7/9/1992	<b>Product Date:</b>	4/1/1977
<b>Red Tag Issue Date:</b>		<b>Fee Due:</b>	\$0.00
<b>CAS Code:</b>		<b>Regulated Status:</b>	Federal
<b>OSFM First Noti Dt:</b>	4/22/1986		

#### Owner Summary

<b>Owner No:</b>	U0016039	<b>Owner Status:</b>	Current Owner
<b>Owner Name:</b>	Waste Management of Illinois, Inc.	<b>Purchase Date:</b>	4/11/1999
<b>Ownership History:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2007470">http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2007470</a>		

#### Owner Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner Name:</b> Waste Management of Illinois, Inc. <b>Type Financial Resp:</b> <b>Owner Status:</b> Current Owner <b>Fin Resp Rpt Due:</b> <b>Purchase Date:</b> 4/11/1999 <b>Owner Address:</b> 700 East Butterfield Road, 4th Floor Lombard, IL 60148						
<b>Facility Details</b>						
<b>MFD Forms Status:</b> <b>Green Tag Decal:</b> <b>MFD Permit Issue Dt:</b> <b>Green Tag Issue Date:</b> <b>MFD Permit Exp Dt:</b> <b>Green Tag Exp Date:</b> <b>Property Parcel:</b> <b>Motor Fuel Type:</b> <b>Pending Nov:</b> No <b>Permit History Link:</b> <a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2007470</a>						
<a href="#">14</a>	2 of 4	SSE	0.16 / 837.95	739.93 / -48	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
<b>Type:</b> Tank - Above Ground Bulk <b>Date:</b> <b>NOVs:</b> 1 NOVs <b>Inspector:</b> <b>Tank 2:</b> <b>Row:</b> <b>Occupant 2:</b> <b>Section:</b> KA <b>Occupancy No:</b> -001-KA-059 <b>Occupant Type:</b> 059 - ABOVE GROUND BULK STORAGE <b>Tank:</b> TANK #1-1500 <b>Building:</b> <b>Location Comment:</b>						
<a href="#">14</a>	3 of 4	SSE	0.16 / 837.95	739.93 / -48	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
<b>Type:</b> Tank - Above Ground Bulk <b>Date:</b> <b>NOVs:</b> 1 NOVs <b>Inspector:</b> <b>Tank 2:</b> <b>Row:</b> <b>Occupant 2:</b> <b>Section:</b> KA <b>Occupancy No:</b> -001-KA-059 <b>Occupant Type:</b> 059 - ABOVE GROUND BULK STORAGE <b>Tank:</b> TANK #3-750- <b>Building:</b> <b>Location Comment:</b>						
<a href="#">14</a>	4 of 4	SSE	0.16 / 837.95	739.93 / -48	WOODLAND RENEWABLE ENERGY FACILITY 7 North 500 ROUTE 25 SOUTH ELGIN IL 60120	AST
<b>Type:</b> Tank - Above Ground Bulk <b>Date:</b> <b>NOVs:</b> 1 NOVs <b>Inspector:</b> <b>Tank 2:</b> <b>Row:</b> <b>Occupant 2:</b> <b>Section:</b> KA <b>Occupancy No:</b> 001-KA-059 <b>Occupant Type:</b> 059 - ABOVE GROUND BULK STORAGE <b>Tank:</b> TANK #2-1500- <b>Building:</b> <b>Location Comment:</b>						
<a href="#">15</a>	1 of 12	W	0.18 / 953.16	737.42 / -50	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF	FED ENG

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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ILLINOIS, INC.  
7N 904 ILLINOIS ROUTE 25  
ELGIN IL 60177

EPA ID: ILD048306138  
Region Code: 05  
County: KANE  
Latitude: +41.983200  
Longitude: -088.271200

**Control Details**

Actual Completion Date: 9/30/1992 4:00:00 AM  
Fiscal Year: 1992  
NPL Status: Currently on the Final NPL  
Action Type: Record of Decision  
Remedy Component: Cap (exsitu)  
Media: Sediment  
Federal Facility: No  
Superfund Alt. Agreement: No  
Operable Unit No: 01  
Sequence ID: 1

Actual Completion Date: 9/30/1992 4:00:00 AM  
Fiscal Year: 1992  
NPL Status: Currently on the Final NPL  
Action Type: Record of Decision  
Remedy Component: Discharge (POTW)  
Media: Groundwater  
Federal Facility: No  
Superfund Alt. Agreement: No  
Operable Unit No: 01  
Sequence ID: 1

Actual Completion Date: 9/30/1992 4:00:00 AM  
Fiscal Year: 1992  
NPL Status: Currently on the Final NPL  
Action Type: Record of Decision  
Remedy Component: Discharge (surface water/NPDES discharge)  
Media: Groundwater  
Federal Facility: No  
Superfund Alt. Agreement: No  
Operable Unit No: 01  
Sequence ID: 1

Actual Completion Date: 9/30/1992 4:00:00 AM  
Fiscal Year: 1992  
NPL Status: Currently on the Final NPL  
Action Type: Record of Decision  
Remedy Component: Impermeable Barrier  
Media: Soil  
Federal Facility: No  
Superfund Alt. Agreement: No  
Operable Unit No: 01  
Sequence ID: 1

Actual Completion Date: 9/30/1992 4:00:00 AM  
Fiscal Year: 1992  
NPL Status: Currently on the Final NPL  
Action Type: Record of Decision  
Remedy Component: Monitoring  
Media: Groundwater  
Federal Facility: No  
Superfund Alt. Agreement: No  
Operable Unit No: 01  
Sequence ID: 1

Actual Completion Date: 9/30/1992 4:00:00 AM

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Treatment (other, not otherwise specified, onsite)				
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		7/3/2001 4:00:00 AM				
<b>Fiscal Year:</b>		2001				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Cap (engineered cap)				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		4				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Discharge (other, not otherwise specified)				
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Extraction (recovery/vertical well)				
<b>Media:</b>		Groundwater				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Gas Collection System (active)				
<b>Media:</b>		Landfill Gas				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Other (not otherwise specified)				
<b>Media:</b>		Leachate				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		7/14/1999 4:00:00 AM				
<b>Fiscal Year:</b>		1999				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<hr/>						
<b>Remedy Component:</b>		Treatment (other, not otherwise specified, exsitu)				
<b>Media:</b>		Surface Water				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		3				
<b>Actual Completion Date:</b>		7/3/2001 4:00:00 AM				
<b>Fiscal Year:</b>		2001				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		Drainage/Erosion Control (other, not otherwise specified)				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		4				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Cap (engineered cap)				
<b>Media:</b>		Soil				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Drainage/Erosion Control (other, not otherwise specified)				
<b>Media:</b>		Solid Waste				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		9/30/1992 4:00:00 AM				
<b>Fiscal Year:</b>		1992				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Record of Decision				
<b>Remedy Component:</b>		Excavation				
<b>Media:</b>		Sediment				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		1				
<b>Actual Completion Date:</b>		4/23/1998 4:00:00 AM				
<b>Fiscal Year:</b>		1998				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		ESD - Nonfundamental Change (other)				
<b>Media:</b>		Solid Waste				
<b>Federal Facility:</b>		No				
<b>Superfund Alt. Agreement:</b>		No				
<b>Operable Unit No:</b>		01				
<b>Sequence ID:</b>		2				
<b>Actual Completion Date:</b>		7/14/1999 4:00:00 AM				
<b>Fiscal Year:</b>		1999				
<b>NPL Status:</b>		Currently on the Final NPL				
<b>Action Type:</b>		Explanation of Significant Differences				
<b>Remedy Component:</b>		ESD/Amd - Remedy Element Addition/Modification				
<b>Media:</b>		Surface Water				
<b>Federal Facility:</b>		No				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		3				
Actual Completion Date:		9/30/1992 4:00:00 AM				
Fiscal Year:		1992				
NPL Status:		Currently on the Final NPL				
Action Type:		Record of Decision				
Remedy Component:		Consolidate (onsite)				
Media:		Sediment				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		1				
Actual Completion Date:		9/30/1992 4:00:00 AM				
Fiscal Year:		1992				
NPL Status:		Currently on the Final NPL				
Action Type:		Record of Decision				
Remedy Component:		Flame Flare (enclosed, open, other, not otherwise specified)				
Media:		Landfill Gas				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		1				
Actual Completion Date:		7/3/2001 4:00:00 AM				
Fiscal Year:		2001				
NPL Status:		Currently on the Final NPL				
Action Type:		Explanation of Significant Differences				
Remedy Component:		Revegetation				
Media:		Soil				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		4				
Actual Completion Date:		6/25/1996 4:00:00 AM				
Fiscal Year:		1996				
NPL Status:		Currently on the Final NPL				
Action Type:		Explanation of Significant Differences				
Remedy Component:		ESD - Nonfundamental Change (other)				
Media:		Groundwater				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		1				
Actual Completion Date:		9/30/1992 4:00:00 AM				
Fiscal Year:		1992				
NPL Status:		Currently on the Final NPL				
Action Type:		Record of Decision				
Remedy Component:		Cap (engineered cap)				
Media:		Solid Waste				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		1				
<hr/>						
<a href="#">15</a>	2 of 12	W	0.18 / 953.16	737.42 / -50	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	FED INST
EPA ID:		ILD048306138				
Region Code:		05				
County:		KANE				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:		+41.983200				
Longitude:		-088.271200				
Control Details						
Actual Completion Date:		9/30/1992 4:00:00 AM				
Fiscal Year:		1992				
NPL Status:		Currently on the Final NPL				
Action Type:		Record of Decision				
Remedy Component:		Institutional Controls				
Media:		Groundwater				
Federal Facility:		No				
Superfund Alt. Agreement:		No				
Operable Unit No:		01				
Sequence ID:		1				
15	3 of 12	W	0.18 / 953.16	737.42 / -50	Waste Management West 7 North 904 Rt. 25 Elgin IL 60120	LUST
Incident No:		940421		LPC No:		0894385451
Incidents ID:		16631		IEMA Date:		02/25/1994
NFR Date:				Regulation:		732
Gasoline:		False		C 20 Day Report Date:		
Unleaded:		True		C 45 Day Report Date:		
Diesel:		True		NFR Recorded Date:		
Fuel Oil:		False		Pre 74 Date:		
Jet Fuel:		False		Proj Manager Phone:		(217) 524-3312
Used Oil:		False		Proj Mngr First Nm:		Mike
Non Petroleum Prod:		False		Proj Mngr Last Nm:		Heaton
Other Petroleum:		False		Proj Manager Email:		Mike.Heaton@illinois.gov
Non LUST Date:		03/26/2013		Site County:		Kane
Non LUST Letter Dt:		03/26/2013				
Heating Oil Letter Date:						
Free Product Discovery Date:						
Primary Resp Party Name:		Waste Management West				
Primary Resp Party Address:		780 North Kirk Rd.				
Primary Resp Party City:		Batavia				
Primary Resp Party State:		IL				
Primary Resp Party ZIP:		60510				
Primary Resp Party Phone:						
Primary Resp Party Contact:		Bob Wagner				
15	4 of 12	W	0.18 / 953.16	737.42 / -50	ELGIN LANDFILL  ST CHARLES TWP* IL	NIPC
IEPA No:		0890800002				
Active Sites:						
Source:						
QS 1st:		NW*				
QS 2nd:		NE*				
Map NO:		358				
Prov NO:		~				
Township:		40N				
Range:		08E				
Section:		01				
County:		KANE COUNTY				
Sites Previ Record & Map:		X				
Sites Previ Rec&Not Map:						
15	5 of 12	W	0.18 / 953.16	737.42 / -50	WOODLAND LANDFILL	NIPC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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ST CHARLES TWP\* IL

IEPA No: 0894830005  
 Active Sites:  
 Source:  
 QS 1st: NW  
 QS 2nd: NW  
 Map NO: 357  
 Prov NO: ~  
 Township: 40N  
 Range: 08E  
 Section: 01  
 County: KANE COUNTY  
 Sites Previ Record & Map: X  
 Sites Previ Rec&Not Map:

<a href="#">15</a>	6 of 12	W	0.18 / 953.16	737.42 / -50	WOODLAND LANDFILL #2 ST CHARLES TWP* IL	NIPC
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IEPA No: 0894830010  
 Active Sites: X  
 Source:  
 QS 1st: NW\*  
 QS 2nd: SW\*  
 Map NO: 356  
 Prov NO: ~  
 Township: 40N  
 Range: 08E  
 Section: 01  
 County: KANE COUNTY  
 Sites Previ Record & Map:  
 Sites Previ Rec&Not Map:

<a href="#">15</a>	7 of 12	W	0.18 / 953.16	737.42 / -50	Waste Management West 7 N 904 Rt 25 Elgin, IL 60120 IL	UST
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Facility No:	2001049	Facility Type:	Industrial / Manufacturing
Facility Status:	Closed	Owner Type:	Private
Fac Details Status:	Closed	Owner Status:	Current Owner
Fac Type Fac Details:	Industrial / Manufacturing	County:	Kane
Owner Name:	Waste Management West		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2001049		

Tank Information

Tank No:	2	Capacity:	2000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Diesel Fuel
Removed Date:	1/26/1995	CERCLA Substance:	
Install Date:		Current Age:	27
Abandoned Date:		Abandoned Material:	
Last Used Date:		Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	1/24/1986		

Tank Information

Tank No:	3	Capacity:	2000
UI No:		Petroleum Use:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> <b>Status:</b> Removed  <b>Removed Date:</b> 1/26/1995  <b>Install Date:</b> 1/1/1971  <b>Abandoned Date:</b>  <b>Last Used Date:</b>  <b>Red Tag Issue Date:</b>  <b>CAS Code:</b>  <b>OSFM First Noti Dt:</b> 1/24/1986 </div> <div> <b>Product:</b> Gasoline  <b>CERCLA Substance:</b>  <b>Current Age:</b> 24  <b>Abandoned Material:</b>  <b>Product Date:</b> 1/1/1971  <b>Fee Due:</b> \$0.00  <b>Regulated Status:</b> Federal </div> </div>						
<b><u>Tank Information</u></b>						
<div> <div> <b>Tank No:</b> 1  <b>UI No:</b>  <b>Status:</b> Removed  <b>Removed Date:</b> 1/27/1995  <b>Install Date:</b> 1/1/1971  <b>Abandoned Date:</b>  <b>Last Used Date:</b>  <b>Red Tag Issue Date:</b>  <b>CAS Code:</b>  <b>OSFM First Noti Dt:</b> 1/24/1986 </div> <div> <b>Capacity:</b> 8300  <b>Petroleum Use:</b>  <b>Product:</b> Diesel Fuel  <b>CERCLA Substance:</b>  <b>Current Age:</b> 24  <b>Abandoned Material:</b>  <b>Product Date:</b> 1/1/1971  <b>Fee Due:</b> \$0.00  <b>Regulated Status:</b> Federal </div> </div>						
<b><u>Owner Summary</u></b>						
<div> <div> <b>Owner No:</b> U0023586  <b>Owner Name:</b> Waste Management West  <b>Ownership History:</b> <a href="http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049">http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049</a> </div> <div> <b>Owner Status:</b> Current Owner  <b>Purchase Date:</b> 1/1/1972 </div> </div>						
<b><u>Owner Details</u></b>						
<div> <div> <b>Owner Name:</b> Waste Management West  <b>Owner Status:</b> Current Owner  <b>Purchase Date:</b> 1/1/1972  <b>Owner Address:</b> 7 N 904 Rt 25 Elgin, IL 60120 </div> <div> <b>Type Financial Resp:</b> Commercial Insurance  <b>Fin Resp Rpt Due:</b> 12/31/2008 </div> </div>						
<b><u>Owner Summary</u></b>						
<div> <div> <b>Owner No:</b> U0004669  <b>Owner Name:</b> Elgin Wayne Disposal  <b>Ownership History:</b> <a href="http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049">http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2001049</a> </div> <div> <b>Owner Status:</b> Former Owner  <b>Purchase Date:</b> 12/31/1967 </div> </div>						
<b><u>Facility Details</u></b>						
<div> <div> <b>MFD Forms Status:</b>  <b>MFD Permit Issue Dt:</b>  <b>MFD Permit Exp Dt:</b>  <b>Property Parcel:</b>  <b>Pending Nov:</b> No  <b>Permit History Link:</b> <a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001049">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2001049</a> </div> <div> <b>Green Tag Decal:</b>  <b>Green Tag Issue Date:</b>  <b>Green Tag Exp Date:</b>  <b>Motor Fuel Type:</b> </div> </div>						
<a href="#">15</a>	8 of 12	W	0.18 / 953.16	737.42 / -50	WASTE MANAGEMENT WEST 7N904 ROUTE 25 ELGIN IL	SPILLS
<div> <div> <b>Incident No:</b> 940421  <b>Date/Time Occurred:</b>  <b>Media Release:</b>  <b>Facility Manager:</b>  <b>Fac Manager Phone:</b>  <b>Responsible Party Street:</b>  <b>Area Involved:</b> FIXED FACILITY  <b>Milepost:</b> </div> <div> <b>County:</b> KANE  <b>Latitude:</b>  <b>Longitude:</b> </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Section:  
Township:  
Range:

**Hazardous Materials Incident Report**

<b>Incident Report Dt:</b>	2/25/1994 4:35:00 PM	<b>County:</b>	KANE
<b>Data Input Status:</b>	CLOSED	<b>Entered by:</b>	
<b>LUST?:</b>		<b>Date Entered:</b>	
<b>Hazmat Incident Type:</b>	LEAK		
<b>Caller:</b>	BOB WAGNER		
<b>Caller Represents:</b>	WASTE MANAGEMENT WEST		
<b>Street Address:</b>	7N904 ROUTE 25		
<b>City:</b>	ELGIN		
<b>URL:</b>	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=940421		
<b>Narrative:</b>			

04/18/94 -TFG- WRITTEN FOLLOW UP RECEIVED STATING THERE WAS NO RELEASE AT THIS SITE AS REPORTED ON 02/25/94. LETTER IS ATTACHED TO ORIGINAL INCIDENT FIELD REPORT.

**Follow Up Information:**

**Materials Involved**

<b>Name:</b>	DIESEL FUEL & UNLEADED GASOLINE
<b>Type:</b>	UNKNOWN
<b>CHRIS CODE:</b>	
<b>CAS No:</b>	
<b>UN/NA No:</b>	
<b>Container Type:</b>	UNDERGROUND TANK
<b>Container Size:</b>	UNDERGROUND TANK
<b>Amount Released:</b>	NONE **SEE COMMENTS**
<b>Rate of Release Min:</b>	
<b>Duration of Release:</b>	
<b>Cause of Release:</b>	LINE CORR
<b>Est Spill Extent:</b>	
<b>Spill Extent Units:</b>	
<b>Date/Time Inc Occur:</b>	
<b>Unknown Occurr:</b>	
<b>Date/Time Discov:</b>	2/21/1994
<b>Unknown Discovered:</b>	
<b>Where Taken:</b>	-0-
<b>On Scene Contact:</b>	
<b>No of People Evacuat:</b>	-0-
<b>A 302(a) Extremely Haz Sub?:</b>	
<b>A RCRA Hazardous Waste?:</b>	
<b>A RCRA Regulated Facility?:</b>	
<b>Public Health Risks:</b>	NONE
<b>State Agency Assistance:</b>	
<b>Containment/Cleanup Plans:</b>	

<a href="#">15</a>	9 of 12	W	0.18 / 953.16	737.42 / -50	Elgin Landfill 7N904 Rte 25 South Elgin IL 60121	SWF/LF
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<b>Site ID/ BOL ID:</b>	0890800002	<b>Site Name(BOLL):</b>	
<b>Site Name(Map):</b>	Elgin Landfill	<b>Street Addr(BOLL):</b>	
<b>Street Addr(Map):</b>	7N904 Rte 25	<b>City(BOLL):</b>	
<b>City(Map):</b>	South Elgin	<b>Zip Code(BOLL):</b>	
<b>Zip Code(Map):</b>	60121	<b>County(BOLL):</b>	
<b>PO Box (Map):</b>		<b>Latitude(BOLL):</b>	
<b>County (Map):</b>	Kane	<b>Longitude(BOLL):</b>	
<b>Latitude (Map):</b>	41.9875		
<b>Longitude (Map):</b>	-88.279166		
<b>Site Name (BOLT):</b>			



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Street (BOLT):</b> <b>City (BOLT):</b> <b>Zip (BOLT):</b> <b>Latitude (BOLT):</b> <b>Longitude (BOLT):</b> <b>Type (BOLT):</b> <b>CRS(Map):</b> <b>Geometry Type(Map):</b> <b>X(Map):</b> <b>Y(Map):</b> <b>Data Source(s):</b>						
		esriGeometryPoint				
		1101152.7608				
		1791363.1039				
		Illinois EPA Landfills Map - Landfill Unknown Status				

<a href="#">15</a>	10 of 12	W	0.18 / 953.16	737.42 / -50	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	SEMS
EPA ID:	ILD048306138			Pgm Sys ID:	ILD048306138	
Primary Name(MAP):	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.			Loc Address(MAP):	7N 904 ILLINOIS ROUTE 25	
City Name:	ELGIN			Postal Code:	60177	
Site Name:	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.			County Name:	KANE	
Street Address:	7N 904 ILLINOIS ROUTE 25			Latitude83:	41.983200000000004	
Street Address 2:				Longitude83:	-88.271200000000001	
City:	ELGIN			PGM SYS ID(CalOES):	ILD048306138	
State:	IL			Name(CalOES):	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	
Zip:	60177			Loc Addr(CalOES):	7N 904 ILLINOIS ROUTE 25	
County:	KANE			City(CalOES):	ELGIN	
Latitude:	+41.983200			Postal(CalOES):	60177	
Longitude:	-088.271200			County(CalOES):	KANE	
Latitude83(CalOES):	41.9832			Longitude83(CalOES):	-88.2712	
Data Source:	EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDF Map - SEMS					

#### Site Level Information

<b>Site ID:</b>	0500340	<b>Superfund Alt Agmt:</b>	No
<b>NPL:</b>	Currently on the Final NPL	<b>FIPS Code:</b>	17089
<b>Federal Facility:</b>	No	<b>Cong District:</b>	06
<b>FF Docket:</b>	No	<b>Region:</b>	05
<b>Non NPL Status:</b>			

#### Action Information

<b>Operable Units:</b>	03	<b>Start Actual:</b>	04/19/2001
<b>Action Code:</b>	BF	<b>Finish Actual:</b>	08/28/2002
<b>Action Name:</b>	PRP RA	<b>Qual:</b>	IR
<b>SEQ:</b>	2	<b>Curr Action Lead:</b>	EPA Ovrsght
<b>Operable Units:</b>	01	<b>Start Actual:</b>	11/01/2001
<b>Action Code:</b>	OM	<b>Finish Actual:</b>	
<b>Action Name:</b>	OM	<b>Qual:</b>	
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	EPA Ovrsght
<b>Operable Units:</b>	00	<b>Start Actual:</b>	11/01/2001
<b>Action Code:</b>	CM	<b>Finish Actual:</b>	11/01/2001
<b>Action Name:</b>	PCOR	<b>Qual:</b>	
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	EPA Perf
<b>Operable Units:</b>	00	<b>Start Actual:</b>	07/24/1992
<b>Action Code:</b>	AR	<b>Finish Actual:</b>	
<b>Action Name:</b>	ADMIN REC	<b>Qual:</b>	E
<b>SEQ:</b>	1	<b>Curr Action Lead:</b>	EPA Perf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Operable Units:	01			Start Actual:	04/22/1988	
Action Code:	CO			Finish Actual:	09/30/1992	
Action Name:	RI/FS			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	09/04/1990	
Action Code:	RS			Finish Actual:	09/21/1990	
Action Name:	RV ASSESS			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	07/31/1991	
Action Code:	RS			Finish Actual:	04/27/1992	
Action Name:	RV ASSESS			Qual:		
SEQ:	2			Curr Action Lead:	EPA Perf	
Operable Units:	01			Start Actual:	07/24/1992	
Action Code:	JF			Finish Actual:	07/24/1992	
Action Name:	ECO RISK			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	02/01/1983	
Action Code:	PA			Finish Actual:	02/01/1983	
Action Name:	PA			Qual:	L	
SEQ:	1			Curr Action Lead:	St Perf	
Operable Units:	00			Start Actual:	03/31/1988	
Action Code:	MA			Finish Actual:	09/30/2004	
Action Name:	ST COOP			Qual:		
SEQ:	1			Curr Action Lead:	St Perf	
Operable Units:	00			Start Actual:	04/22/1988	
Action Code:	CR			Finish Actual:	09/30/1992	
Action Name:	CI			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	10/01/1984	
Action Code:	SI			Finish Actual:	10/01/1984	
Action Name:	SI			Qual:	H	
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	02			Start Actual:	07/24/1992	
Action Code:	ED			Finish Actual:	07/24/1992	
Action Name:	R/H ASMT			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	07/03/2018	
Action Code:	FE			Finish Actual:	09/11/2019	
Action Name:	5 YEAR			Qual:		
SEQ:	6			Curr Action Lead:	EPA Perf	
Operable Units:	02			Start Actual:	06/14/1999	
Action Code:	BF			Finish Actual:	09/30/2000	
Action Name:	PRP RA			Qual:	IR	
SEQ:	1			Curr Action Lead:	EPA Ovrsght	
Operable Units:	01			Start Actual:	09/30/1992	
Action Code:	RO			Finish Actual:	09/30/1992	
Action Name:	ROD			Qual:	R	
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	09/30/2004	
Action Code:	AS			Finish Actual:	09/30/2004	
Action Name:	AIR SRVY			Qual:		
SEQ:	1			Curr Action Lead:	EPA Perf	
Operable Units:	00			Start Actual:	06/10/1986	
Action Code:	NP			Finish Actual:	06/10/1986	
Action Name:	PROPOSED			Qual:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SEQ:	1				Curr Action Lead:	EPA Perf
Operable Units:	03				Start Actual:	01/04/2000
Action Code:	RD				Finish Actual:	04/26/2000
Action Name:	RD				Qual:	
SEQ:	1				Curr Action Lead:	EPA Perf
Operable Units:	00				Start Actual:	06/11/1985
Action Code:	HR				Finish Actual:	06/11/1985
Action Name:	HAZRANK				Qual:	
SEQ:	1				Curr Action Lead:	EPA Perf
Operable Units:	00				Start Actual:	03/31/1989
Action Code:	NF				Finish Actual:	03/31/1989
Action Name:	NPL FINL				Qual:	
SEQ:	1				Curr Action Lead:	EPA Perf
Operable Units:	00				Start Actual:	01/06/2014
Action Code:	FE				Finish Actual:	07/03/2014
Action Name:	5 YEAR				Qual:	
SEQ:	3				Curr Action Lead:	EPA Perf
Operable Units:	00				Start Actual:	04/01/1979
Action Code:	DS				Finish Actual:	04/01/1979
Action Name:	DISCVRY				Qual:	
SEQ:	1				Curr Action Lead:	EPA Perf
Operable Units:	00				Start Actual:	03/30/2004
Action Code:	FE				Finish Actual:	09/23/2004
Action Name:	5 YEAR				Qual:	
SEQ:	1				Curr Action Lead:	EPA Ovrsght
Operable Units:	01				Start Actual:	02/02/1994
Action Code:	BE				Finish Actual:	09/30/1997
Action Name:	PRP RD				Qual:	
SEQ:	1				Curr Action Lead:	EPA Ovrsght

#### GIS Information

Registry ID:	110071101749	Pgm Sys Acnrm:	SEMS
Active Status:	CURRENTLY ON THE FINAL NPL	Accuracy Value:	
Key Field:	SEMSILD048306138	HUC8 Code:	07120007
Interest Type:	SUPERFUND NPL	HUC 12:	
Fed Agency Name:		Federal Land Ind:	
Fed Facility Code:		Public Ind:	Y
EPA Region Code:	05	Pgm Report:	no data yet
Collect Mth Desc:			
Ref Point Desc:			
Fac Url:	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749</a>		
Program Url:	<a href="http://www.epa.gov/superfund/action/law/cercla.htm">http://www.epa.gov/superfund/action/law/cercla.htm</a>		
Pgm Report Url:	no data yet		
Fips Code:	17089		

#### CalOES EPA RCRA TSD - SEMS

Registry ID:	110071101749	HUC 12:	
Interest Ttpe:	SUPERFUND NPL	Collect Method:	
Active Status:	CURRENTLY ON THE FINAL NPL	Accuracy Value:	
Pgm Sys Acnrm:	SEMS	Ref Point Desc:	
Federal Ag:		EPA Region:	05
Federal La:		Key Field:	SEMSILD048306138
Fed Facility Cd:		Create Dt:	2021/10/26 00:00:00+00
Public Ind:	Y	Update Dt:	2021/11/24 13:48:57+00
FIPS Code:	17089	Last Reported Dt:	
HUC8 Code:	07120007		
Pgm Report:	no data yet		
Program Url:	<a href="http://www.epa.gov/superfund/action/law/cercla.htm">http://www.epa.gov/superfund/action/law/cercla.htm</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fac Url:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071101749				
<a href="#">15</a>	11 of 12	W	0.18 / 953.16	737.42 / -50	TRI-COUNTY LANDFILL CO. /WASTE MANAGEMENT OF ILLINOIS, INC. 7N 904 ILLINOIS ROUTE 25 ELGIN IL 60177	SUPERFUND ROD

**EPA ID:** ILD048306138  
**Site ID:** 0500340  
**NPL Status:** Final  
**Non NPL Status:**  
**County:** KANE  
**Region:** 05  
**Data Source(s):** U.S. EPA SUPERFUND PROGRAM - Source: SEMS Superfund Public User Database - FOIA-002 Records of Decision (RODS), ROD Amendments, and Explanation of Significant Differences (ESDs); Searchable Superfund Decision Documents database (<https://www.epa.gov/superfund/search-superfund-documents>), made available by the US Environmental Protection Agency (EPA). Retrieved on March 23, 2023.

#### Document Information

**Doc ID:** 141678  
**Title:** RECORD OF DECISION (ROD) (SIGNED) - TRI COUNTY LDFL  
**Date:** 09/30/1992  
**Pub No:**  
**Description:**  
**PDF Link:** <https://semspub.epa.gov/src/document/05/141678>

**Doc ID:** 141675  
**Title:** EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LDFL  
**Date:** 06/25/1996  
**Pub No:**  
**Description:**  
**PDF Link:** <https://semspub.epa.gov/src/document/05/141675>

**Doc ID:** 141667  
**Title:** EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI-COUNTY/ELGIN LANDFILL SITE  
**Date:** 04/23/1998  
**Pub No:**  
**Description:**  
**PDF Link:** <https://semspub.epa.gov/src/document/05/141667>

**Doc ID:** 141668  
**Title:** EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI-COUNTY/ELGIN LANDFILL SITE  
**Date:** 07/14/1999  
**Pub No:**  
**Description:**  
**PDF Link:** <https://semspub.epa.gov/src/document/05/141668>

**Doc ID:** 147743  
**Title:** EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LANDFILL  
**Date:** 07/03/2001  
**Pub No:**  
**Description:**  
**PDF Link:** <https://semspub.epa.gov/src/document/05/147743>

#### Historical Document Information

**Doc ID:** 141680  
**Title:** EXPLANATION OF SIGNIFICANT DIFFERENCES (ESD) (SIGNED) - TRI COUNTY LDFL(4 pp, 260 KB, PDF)  
**Date:** 07/14/1999  
**Pub No:**  
**Description:**  
**PDF Link:** <http://semspub.epa.gov/src/document/05/141680>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Action Information</b>						
Seq ID:		1				
Action Name:		GOVT Decision Document (ROD)				
Operable Unit Name:		BASIC RI/FS TO START 88/2				
Actual Comp Date:		09/30/92				
Seq ID:		1				
Action Name:		GOVT ESD				
Operable Unit Name:		BASIC RI/FS TO START 88/2				
Actual Comp Date:		06/25/96				
Seq ID:		2				
Action Name:		GOVT ESD				
Operable Unit Name:		BASIC RI/FS TO START 88/2				
Actual Comp Date:		04/23/98				
Seq ID:		3				
Action Name:		GOVT ESD				
Operable Unit Name:		BASIC RI/FS TO START 88/2				
Actual Comp Date:		07/14/99				
Seq ID:		4				
Action Name:		GOVT ESD				
Operable Unit Name:		BASIC RI/FS TO START 88/2				
Actual Comp Date:		07/03/01				

<a href="#">15</a>	12 of 12	W	0.18 / 953.16	737.42 / -50	WASTE MGMT WEST 7 N 904 RT 25 ELGIN IL 60120	RCRA NON GEN
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**EPA Handler ID:** ILR000000737  
**Gen Status Universe:** No Report  
**Contact Name:**  
**Contact Address:**  
**Contact Phone No and Ext:**  
**Contact Email:**  
**Contact Country:**  
**County Name:** KANE  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 20191213  
**Location Latitude:**  
**Location Longitude:**

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Jul 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<b><u>Hazardous Waste Handler Details</u></b>						
Sequence No:		1				
Receive Date:		19950222				
Handler Name:		WASTE MGMT WEST				
Source Type:		Notification				
Federal Waste Generator Code:		2				
Generator Code Description:		Small Quantity Generator				
<b><u>Waste Code Details</u></b>						
Hazardous Waste Code:		D001				
Waste Code Description:		IGNITABLE WASTE				
<b><u>Hazardous Waste Handler Details</u></b>						
Sequence No:		1				
Receive Date:		20191213				
Handler Name:		WASTE MGMT WEST				
Source Type:		Implementer				
Federal Waste Generator Code:		N				
Generator Code Description:		Not a Generator, Verified				
<b><u>Owner/Operator Details</u></b>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Private			Street 1:	TWO WESTBROOK CORP CTR
Name:		W M X TECHNOLOGIES			Street 2:	
Date Became Current:					City:	WESTCHESTER
Date Ended Current:					State:	IL
Phone:		708-879-9190			Country:	
Source Type:		Notification			Zip Code:	60154
<b><u>Historical Handler Details</u></b>						
Receive Dt:		19950222				
Generator Code Description:		Small Quantity Generator				
Handler Name:		WASTE MGMT WEST				

<a href="#">16</a>	1 of 3	SSE	0.22 / 1,175.09	745.46 / -42	Woodland Rdf 7N500 Rte 25 South Elgin IL 60177	SWF/LF
Site ID/ BOL ID:		0894830005			Site Name(BOLL):	Woodland Rdf
Site Name(Map):		Woodland Rdf			Street Addr(BOLL):	
Street Addr(Map):		7N500 Rte 25			City(BOLL):	
City(Map):		South Elgin			Zip Code(BOLL):	
Zip Code(Map):		60177			County(BOLL):	Kane
PO Box (Map):					Latitude(BOLL):	41.9839
County (Map):		Kane			Longitude(BOLL):	-88.27831
Latitude (Map):		41.98339				
Longitude (Map):		-88.27859				
Site Name (BOLT):						
Street (BOLT):						
City (BOLT):						
Zip (BOLT):						
Latitude (BOLT):						
Longitude (BOLT):						
Type (BOLT):						



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>CRS(Map):</b> <b>Geometry Type(Map):</b> esriGeometryPoint <b>X(Map):</b> 1101206.9965 <b>Y(Map):</b> 1790907.3304 <b>Data Source(s):</b> Illinois EPA Landfills Map - Landfill Unknown Status; Bureau of Land Landfills (BOLL)						
<a href="#">16</a>	2 of 3	SSE	0.22 / 1,175.09	745.46 / -42	Woodland RDF - 170000617866 7n500 Rte 25 South Elgin IL 60177	LUST DOCUMENT
<b>Site ID:</b> <b>System ID:</b> <b>Program ID:</b> 0894830005 <b>Interest Type:</b> <b>Media Code:</b> <b>Category:</b> Leaking UST Technical <b>Document Indicator:</b> <b>Document Count:</b> 6 <b>Total Pages:</b> 21 <b>Revision Date Time:</b> <b>Collection Date:</b> <b>Name (Doc Search):</b> Woodland RDF - 170000617866 <b>Addr (Doc Search):</b> 7n500 Rte 25 <b>Name (Geo Search):</b> <b>Addr (Geo Search):</b> <b>Category URL:</b> https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmtpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09ljE3MDAwMDYxNzg2NiIgQU5EIFtDQVRFR09SWV09ljxQSI1 <b>Data Source:</b> IEPA Document Explorer - Facility/Site Search <b>Note:</b> Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer						
<a href="#">16</a>	3 of 3	SSE	0.22 / 1,175.09	745.46 / -42	Woodland Rdf 7n500 Rte 25 South Elgin IL 60177	AIR PERMITS
<b>Name (Geo Search):</b> Woodland Rdf <b>Addr (Geo Search):</b> 7n500 Rte 25 <b>City (Geo Search):</b> South Elgin <b>State (Geo Search):</b> IL <b>Postal (Geo Search):</b> 60177 <b>Name (Doc Search):</b> Woodland RDF - 170000617866 <b>Addr (Doc Search):</b> 7n500 Rte 25 <b>City (Doc Search):</b> South Elgin <b>State (Doc Search):</b> IL <b>Zip Code (Doc Search):</b> 60177 <b>Data Source:</b> IEPA Document Explorer - Facility/Site Search; IEPA Document Explorer - Geographic Search <b>Note:</b> Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer						
<b>IEPA Document Explorer</b>						
<b>Site ID:</b> 170000617866 <b>Program ID:</b> 089813AAJ <b>Category:</b> Air Permit - Final <b>Category URL:</b> https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmtpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=1b656d23-1604-4539-a9f5-215aaaae67008&tw=Results&q=W0IFUEFJRF09ljE3MDAwMDYxNzg2NiIgQU5EIFtDQVRFR09SWV09ljAzSyl1						
<b>IEPA Mapping Service</b>						
<b>Site ID:</b> 170000617866 <b>System ID:</b> 089813AAJ <b>Interest Type:</b> PERMIT <b>Document Indicator:</b> Yes <b>Latitude:</b> 41.984517 <b>Longitude:</b> -88.280477						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Media Code:	AIR			X:	-88.28047699999996	
Revision Date/Time:	06/30/2003			Y:	41.98451700000004	
Collection Date:	10/20/2003					

[17](#) 1 of 2 SSE 0.22 / 1,175.41 745.15 / -43 ECSC SOUTH ELGIN RTE 25 & DUNHAM RD SOUTH ELGIN IL 60177 RCRA VSQG

EPA Handler ID: ILR000022285  
 Gen Status Universe: VSG  
 Contact Name: PHIL BERG  
 Contact Address: 400 W FIRST ST , , ELMHURST , IL, 60126 , US  
 Contact Phone No and Ext: 708-832-4000  
 Contact Email:  
 Contact Country: US  
 County Name: KANE  
 EPA Region: 05  
 Land Type: Private  
 Receive Date: 19960521  
 Location Latitude: 41.977719  
 Location Longitude: -88.269152

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Jul 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

#### Hazardous Waste Handler Details

Sequence No: 1  
 Receive Date: 19960521  
 Handler Name: ECSC SOUTH ELGIN  
 Federal Waste Generator Code: 3  
 Generator Code Description: Very Small Quantity Generator  
 Source Type: Notification

#### Waste Code Details

Hazardous Waste Code: D001  
 Waste Code Description: IGNITABLE WASTE

#### Owner/Operator Details

Owner/Operator Ind: Current Owner Street No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type:	Private				Street 1:	400 W FIRST ST
Name:	ELMHURST CHICAGO STONE CO				Street 2:	
Date Became Current:					City:	ELMHURST
Date Ended Current:					State:	IL
Phone:	708-832-4000				Country:	
Source Type:	Notification				Zip Code:	60126

[17](#) 2 of 2 SSE 0.22 / 1,175.41 745.15 / -43 R&L Carriers II Rte #25 and Dunham Rd South Elgin IL SPILLS

Incident No: H-2014-1252 County: Kane  
Date/Time Occurred: 2014-11-04 19:00 Latitude: 41.994288  
Media Release: Ground Longitude: -88.297075  
Facility Manager: N/A  
Fac Manager Phone: N/A  
Responsible Party Street: 375 S. 2nd St  
Area Involved: Highway  
Milepost: N/A  
Section: N/A  
Township: N/A  
Range: N/A

#### Hazardous Materials Incident Report

Incident Report Dt: 11/4/2014 8:17:31 PM County: Kane  
Data Input Status: Closed Entered by: Kattner, Paul (IEMA)  
LUST?: No Date Entered:  
Hazmat Incident Type: Leak or spill  
Caller: Lt. Arnie Zadran  
Caller Represents: South Elgin Fire  
Street Address: II Rte #25 and Dunham Rd  
City: South Elgin  
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2014-1252  
Narrative:

#### Follow Up Information:

#### Weather Information

Temp: 45 Degrees  
Wind:

#### Materials Involved

Name: Majesta-727 (Silicon based liquids)  
Type: Liquid  
CHRIS CODE: Unknown  
CAS No: 7732-18-5  
UN/NA No: Unknown  
Container Type: Drum (Plastic Totes)  
Container Size: 3 x Totes (330 Gallons)  
Amount Released: 100 gallons  
Rate of Release Min: 6-10 gallons per minute  
Duration of Release: 1.5 hours  
Cause of Release: Single vehicle semi-tractor trailer rollover accident  
Est Spill Extent: 100-200 Square feet  
Spill Extent Units:  
Date/Time Inc Occur:  
Unknown Occur:  
Date/Time Discov:  
Unknown Discovered:  
Where Taken:  
On Scene Contact:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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No of People Evacuat:  
A 302(a) Extremely Haz Sub?:  
A RCRA Hazardous Waste?:  
A RCRA Regulated Facility?:  
Public Health Risks:  
State Agency Assistance:  
Containment/Cleanup Plans:

Unknown  
Unknown  
No

#### Materials Involved

Name: Appollo 885  
Type: Liquid  
CHRIS CODE: Unknown  
CAS No: 7732-18-5  
UN/NA No: Unknown  
Container Type: Drum  
Container Size: >5 x 330 Gallons  
Amount Released: <5 gallons  
Rate of Release Min: Unknown  
Duration of Release: 1.5 hours  
Cause of Release: Single vehicle semi-tractor trailer rollover accident  
Est Spill Extent: 100-200 Square feet  
Spill Extent Units:  
Date/Time Inc Occur:  
Unknown Occurr:  
Date/Time Discov:  
Unknown Discovered:  
Where Taken:  
On Scene Contact:  
No of People Evacuat:  
A 302(a) Extremely Haz Sub?:  
A RCRA Hazardous Waste?:  
A RCRA Regulated Facility?:  
Public Health Risks:  
State Agency Assistance:  
Containment/Cleanup Plans:

Unknown  
Unknown  
NO

#### Materials Involved

Name: Diesel Fuel  
Type: Liquid  
CHRIS CODE: Unknown  
CAS No: Unknown  
UN/NA No: Unknown  
Container Type: Truck (Saddle tanks)  
Container Size: >200 gallons  
Amount Released: <5 gallons  
Rate of Release Min: Dripping  
Duration of Release: 1.5 Hours  
Cause of Release: Single vehicle semi-tractor trailer rollover accident---Diesel fuel is leaking out the filler tubes  
Est Spill Extent: Unknown  
Spill Extent Units:  
Date/Time Inc Occur:  
Unknown Occurr:  
Date/Time Discov:  
Unknown Discovered:  
Where Taken:  
On Scene Contact:  
No of People Evacuat:  
A 302(a) Extremely Haz Sub?:  
A RCRA Hazardous Waste?:  
A RCRA Regulated Facility?:  
Public Health Risks:  
State Agency Assistance:  
Containment/Cleanup Plans:

Unknown  
Unknown  
NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### Materials Involved

Name:  
 Type:  
 CHRIS CODE:  
 CAS No:  
 UN/NA No:  
 Container Type:  
 Container Size:  
 Amount Released:  
 Rate of Release Min:  
 Duration of Release:  
 Cause of Release:  
 Est Spill Extent:  
 Spill Extent Units:  
 Date/Time Inc Occur: 2014-11-04 19:00  
 Unknown Occurr:  
 Date/Time Discov: 2014-11-04 19:00  
 Unknown Discovered:  
 Where Taken: St. Joeseeph Hospital/Elgin (Non-haz-mat related)  
 On Scene Contact: Lt. Arnie Zadran  
 No of People Evacuat: 0  
 A 302(a) Extremely Haz Sub?:  
 A RCRA Hazardous Waste?:  
 A RCRA Regulated Facility?:  
 Public Health Risks: Road has been closed  
 State Agency Assistance: None  
 Containment/Cleanup Plans: Oil dry has been applied.....ERTS (Contractor) will respond and coordinate cleanup and remediation.

#### Materials Involved

Name: Majesta ZERO  
 Type: Liquid  
 CHRIS CODE: Unknown  
 CAS No: 7732-18-5  
 UN/NA No: Unknown  
 Container Type: Drum (Plastic Tottes)  
 Container Size: >3 x 330 gallons (Majesta Zero)  
 Amount Released: 10 gallons  
 Rate of Release Min: Unknown  
 Duration of Release: 1.5 hours  
 Cause of Release: Single vehicle semi-tractor trailer rollover accident  
 Est Spill Extent: 100-200 Square feet  
 Spill Extent Units:  
 Date/Time Inc Occur:  
 Unknown Occurr:  
 Date/Time Discov:  
 Unknown Discovered:  
 Where Taken:  
 On Scene Contact:  
 No of People Evacuat:  
 A 302(a) Extremely Haz Sub?: Unknown  
 A RCRA Hazardous Waste?: Unknown  
 A RCRA Regulated Facility?: NO  
 Public Health Risks:  
 State Agency Assistance:  
 Containment/Cleanup Plans:

#### Emergency Units Contacted

Contacted ESDA?:  
 ESDA on Scene?:  
 Spec ESDA Agency:  
 Contacted Fire Dep?: Yes  
 Fire Dep on Scene?: Yes  
 Name of Fire Dep: South Elgin Fire

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Police Dep Contact?:</b>		Yes				
<b>Police Dep on Scene:</b>		Yes				
<b>Name of Police Dep:</b>		South Elgin PD				
<b>Sheriff Police Dep?:</b>		Yes				
<b>Sheriff Dep on Scene:</b>		Yes				
<b>Name of Sheriff Dep:</b>		Kane County Sheriff's Department				
<b>Other Agency?:</b>		Yes				
<b>Agency on Scene?:</b>		Yes				
<b>Name of Agency:</b>		Kane COunty EMA				

#### Agency or Persons Notified

**Agency:** IEPA D/O  
**Date/Time:** 2014-11-04 20:43  
**Name of Person:** Kinsley  
**Notification Action:** Contacted

**Agency:** IEPA, OSFM, ISPPC, IDOT Station #1, NRTP, & IEMA Region #3  
**Date/Time:** 2014-11-04 20:50  
**Name of Person:** E-mailed  
**Notification Action:** Report Sent

<a href="#">18</a>	1 of 2	SW	0.27 / 1,446.16	733.96 / -54	WOODLAND LANDFILL INCORPORATION ROUTE 25 & GILBERT ROAD ELGIN IL 60177	CERCLIS
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<b>Site ID:</b>	0500516	<b>RNPL Status Code:</b>	N
<b>Site EPA ID:</b>	ILD097282750	<b>NPL Status:</b>	Not on the NPL
<b>Site Street Address 2:</b>		<b>RFED Facility Code:</b>	N
<b>Site County Name:</b>	KANE	<b>RFED Facility Desc:</b>	Not a Federal Facility
<b>Site FIPS Code:</b>	17089	<b>USGS Hydro Unit No.:</b>	07120006
<b>Region Code:</b>	05	<b>Site Cong. Dist. Code:</b>	12
<b>Site SMSA No.:</b>	1600	<b>ROT Desc:</b>	Other
<b>Site Prim. Latitude:</b>	+41.984167	<b>FR NPL Update No.:</b>	
<b>Site Prim. Longitude:</b>	-088.280278	<b>RFRA Code:</b>	
<b>Lat Long Source:</b>			
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA Fund
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	DS	<b>Act Complete Date:</b>	4/1/1979 00:00:00
<b>RAT Short Name:</b>	DISCVRY	<b>AGT Order No.:</b>	10
<b>RAT Name:</b>	DISCOVERY	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	State (Fund)
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	4/29/1998 00:00:00
<b>RAT Code:</b>	ES	<b>Act Complete Date:</b>	9/15/1999 00:00:00
<b>RAT Short Name:</b>	ESI	<b>AGT Order No.:</b>	170
<b>RAT Name:</b>	EXPANDED SITE INSPECTION	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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RAT NSI Indicator: B  
 RAT Level: 1  
 RAT DEF OU: 00  
 RFBS Code: P  
 SPA Code: 13  
 RAT Def:

SH Seq:  
 SH Start Date:  
 SH Complete Date:  
 SH Lead:

Functions performed to collect additional data, beyond that required for Hazard Ranking System scoring, in order to expedite the Remedial Investigation/Feasibility Study (RI/FS) project planning phase for National Priority List (NPL) sites. The present site inspection focus on pathways and receptors has been expanded to include site and source characterization. The information facilitates the development of RI/FS workplan and sampling and analysis plan.

Site Desc:  
 Site Alias:

#### CERCLIS Assess History

OU ID: 00  
 Act Code ID: 001  
 RAT Code: SI  
 RAT Short Name: SI  
 RAT Name: SITE INSPECTION  
 RAT Hist. Only Flag:  
 RAT NSI Indicator: B  
 RAT Level: 1  
 RAT DEF OU: 00  
 RFBS Code: P  
 SPA Code: 13  
 RAT Def:

RALT Short Name: EPA Fund  
 Act Start Date:  
 Act Complete Date: 10/25/1991 00:00:00  
 AGT Order No.: 160  
 SH OU: 00  
 SH Code: SH  
 SH Seq: 001  
 SH Start Date:  
 SH Complete Date: 9/29/1995 00:00:00  
 SH Lead: EPA Fund

The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.

Site Desc:  
 Site Alias:

#### CERCLIS Assess History

OU ID: 00  
 Act Code ID: 001  
 RAT Code: PA  
 RAT Short Name: PA  
 RAT Name: PRELIMINARY ASSESSMENT  
 RAT Hist. Only Flag:  
 RAT NSI Indicator: B  
 RAT Level: 1  
 RAT DEF OU: 00  
 RFBS Code: P  
 SPA Code: 13  
 RAT Def:

RALT Short Name: State (Fund)  
 Act Start Date:  
 Act Complete Date: 4/1/1983 00:00:00  
 AGT Order No.: 130  
 SH OU:  
 SH Code:  
 SH Seq:  
 SH Start Date:  
 SH Complete Date:  
 SH Lead:

Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:  
 Site Alias:

#### CERCLIS Assess History

OU ID: 00  
 Act Code ID:  
 RAT Code:  
 RAT Short Name:  
 RAT Name:  
 RAT Hist. Only Flag:  
 RAT NSI Indicator:  
 RAT Level:  
 RAT DEF OU:  
 RFBS Code:  
 SPA Code:  
 RAT Def:  
 Site Desc:

RALT Short Name:  
 Act Start Date:  
 Act Complete Date:  
 AGT Order No.: 0  
 SH OU:  
 SH Code:  
 SH Seq:  
 SH Start Date:  
 SH Complete Date:  
 SH Lead:

No description available

Site Alias: SOUTH ELGIN LDFL,,IL,;WOODLAND LDFL INC,RR1 BOX 8H,ELGIN,IL,60120;WOODLAND LDFL INC,RTE 25 & GILBERT RD,ELGIN,IL,60120;WOODLAND LDFL IND,RTE 25 - FIRE # 7N904,ELGIN,IL,60120;

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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#### CERCLIS Assess History

<b>OU ID:</b>	00	<b>RALT Short Name:</b>	EPA In-House
<b>Act Code ID:</b>	001	<b>Act Start Date:</b>	
<b>RAT Code:</b>	VS	<b>Act Complete Date:</b>	12/22/1999 00:00:00
<b>RAT Short Name:</b>	ARCH SITE	<b>AGT Order No.:</b>	1500
<b>RAT Name:</b>	ARCHIVE SITE	<b>SH OU:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Code:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Seq:</b>	
<b>RAT Level:</b>	1	<b>SH Start Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Complete Date:</b>	
<b>RFBS Code:</b>		<b>SH Lead:</b>	
<b>SPA Code:</b>	13		
<b>RAT Def:</b>	The decision is made that no further activity is planned at the site.		
<b>Site Desc:</b>			
<b>Site Alias:</b>			

<a href="#">18</a>	2 of 2	SW	0.27 / 1,446.16	733.96 / -54	WOODLAND LANDFILL INCORPORATION ROUTE 25 & GILBERT ROAD ELGIN IL 60177	CERCLIS NFRAP
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<b>Site ID:</b>	500516	<b>Site FIPS Code:</b>	17089
<b>Site EPA ID:</b>	ILD097282750	<b>Region Code:</b>	5
<b>Site Parent ID:</b>		<b>Site Cong. Dist. Code:</b>	12
<b>Site County Name:</b>	KANE	<b>Federal Facility:</b>	
<b>Parent Site Name:</b>			

#### CERCLIS-NFRAP Assess History

<b>OU ID:</b>	0	<b>Act Start Date:</b>	4/29/1998
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	9/15/1999
<b>RAT Code:</b>	ES	<b>AGT Order No.:</b>	170
<b>RAT Short Name:</b>	ESI	<b>SH OU:</b>	
<b>RAT Name:</b>	EXPANDED SITE INSPECTION	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	NFRAP
<b>RALT Short Name:</b>	State (Fund)	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	Functions performed to collect additional data, beyond that required for Hazard Ranking System scoring, in order to expedite the Remedial Investigation/Feasibility Study (RI/FS) project planning phase for National Priority List (NPL) sites. The present site inspection focus on pathways and receptors has been expanded to include site and source characterization. The information facilitates the development of RI/FS workplan and sampling and analysis plan.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

#### CERCLIS-NFRAP Assess History

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	4/1/1983
<b>RAT Code:</b>	PA	<b>AGT Order No.:</b>	130
<b>RAT Short Name:</b>	PA	<b>SH OU:</b>	
<b>RAT Name:</b>	PRELIMINARY ASSESSMENT	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	Low priority
<b>RALT Short Name:</b>	State (Fund)	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**RNON NPL Status Desc:** NFRAP-Site does not qualify for the NPL based on existing information

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	4/1/1979
<b>RAT Code:</b>	DS	<b>AGT Order No.:</b>	10
<b>RAT Short Name:</b>	DISCVRY	<b>SH OU:</b>	
<b>RAT Name:</b>	DISCOVERY	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>		<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	
<b>RALT Short Name:</b>	EPA Fund	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	10/25/1991
<b>RAT Code:</b>	SI	<b>AGT Order No.:</b>	160
<b>RAT Short Name:</b>	SI	<b>SH OU:</b>	0
<b>RAT Name:</b>	SITE INSPECTION	<b>SH Code:</b>	SH
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	1
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	9/29/1995 0:00
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	EPA Fund
<b>RFBS Code:</b>	P	<b>SH Qual:</b>	Higher priority
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	Higher priority
<b>RALT Short Name:</b>	EPA Fund	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

**CERCLIS-NFRAP Assess History**

<b>OU ID:</b>	0	<b>Act Start Date:</b>	
<b>Act Code ID:</b>	1	<b>Act Complete Date:</b>	12/22/1999
<b>RAT Code:</b>	VS	<b>AGT Order No.:</b>	1500
<b>RAT Short Name:</b>	ARCH SITE	<b>SH OU:</b>	
<b>RAT Name:</b>	ARCHIVE SITE	<b>SH Code:</b>	
<b>RAT Hist. Only Flag:</b>		<b>SH Seq:</b>	
<b>RAT NSI Indicator:</b>	B	<b>SH Start Date:</b>	
<b>RAT Level:</b>	1	<b>SH Complete Date:</b>	
<b>RAT DEF OU:</b>	00	<b>SH Lead:</b>	
<b>RFBS Code:</b>		<b>SH Qual:</b>	
<b>SPA Code:</b>	13	<b>RAQ Act. Qual Short:</b>	
<b>RALT Short Name:</b>	EPA In-House	<b>RNPL Status Code:</b>	N
<b>RAT Def:</b>	The decision is made that no further activity is planned at the site.		
<b>RNON NPL Status Desc:</b>	NFRAP-Site does not qualify for the NPL based on existing information		

[19](#)

1 of 1

SW

0.28 /  
1,453.47

736.58 /  
-51

WOODLAND LANDFILL  
INCORPORATION  
ROUTE 25 & GILBERT ROAD  
ELGIN IL 60177

SEMS  
ARCHIVE

**Site ID:** 0500516  
**EPA ID:** ILD097282750  
**Superfund Alt Agmt:** No  
**Federal Facility:** No  
**FF Docket:** No

**FIPS Code:** 17089  
**Cong District:** 12  
**Region:** 05  
**County:** KANE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>NPL:</b>		Not on the NPL				
<b>Non NPL Status:</b>		NFRAP-Site does not qualify for the NPL based on existing information				
<b><u>Action Information</u></b>						
<b>Operable Units:</b>	00			<b>Qual:</b>	N	
<b>Action Code:</b>	ES			<b>SEQ:</b>	1	
<b>Action Name:</b>	ESI			<b>FF:</b>	N	
<b>Start Actual:</b>	04/29/1998			<b>FF Docket:</b>	N	
<b>Finish Actual:</b>	09/15/1999			<b>Region:</b>	05	
<b>Curr Action Lead:</b>	St Perf					
<b>Operable Units:</b>	00			<b>Qual:</b>	H	
<b>Action Code:</b>	SI			<b>SEQ:</b>	1	
<b>Action Name:</b>	SI			<b>FF:</b>	N	
<b>Start Actual:</b>				<b>FF Docket:</b>	N	
<b>Finish Actual:</b>	10/25/1991			<b>Region:</b>	05	
<b>Curr Action Lead:</b>	EPA Perf					
<b>Operable Units:</b>	00			<b>Qual:</b>		
<b>Action Code:</b>	DS			<b>SEQ:</b>	1	
<b>Action Name:</b>	DISCVRY			<b>FF:</b>	N	
<b>Start Actual:</b>	04/01/1979			<b>FF Docket:</b>	N	
<b>Finish Actual:</b>	04/01/1979			<b>Region:</b>	05	
<b>Curr Action Lead:</b>	EPA Perf					
<b>Operable Units:</b>	00			<b>Qual:</b>	L	
<b>Action Code:</b>	PA			<b>SEQ:</b>	1	
<b>Action Name:</b>	PA			<b>FF:</b>	N	
<b>Start Actual:</b>				<b>FF Docket:</b>	N	
<b>Finish Actual:</b>	04/01/1983			<b>Region:</b>	05	
<b>Curr Action Lead:</b>	St Perf					
<b>Operable Units:</b>	00			<b>Qual:</b>		
<b>Action Code:</b>	VS			<b>SEQ:</b>	1	
<b>Action Name:</b>	ARCH SITE			<b>FF:</b>	N	
<b>Start Actual:</b>				<b>FF Docket:</b>	N	
<b>Finish Actual:</b>	12/22/1999			<b>Region:</b>	05	
<b>Curr Action Lead:</b>	EPA Perf In-Hse					

[20](#)

1 of 1

SE

0.31 /  
1,660.59

757.99 /  
-30

UNK  
51W 504 STEARNS RD.  
BARTLETT IL

SPILLS

<b>Incident No:</b>	903037	<b>County:</b>	DUPAGE
<b>Date/Time Occurred:</b>	10/16/90 1121	<b>Latitude:</b>	
<b>Media Release:</b>		<b>Longitude:</b>	
<b>Facility Manager:</b>			
<b>Fac Manager Phone:</b>			
<b>Responsible Party Street:</b>			
<b>Area Involved:</b>	HIGHWAY		
<b>Milepost:</b>			
<b>Section:</b>			
<b>Township:</b>			
<b>Range:</b>			

**Hazardous Materials Incident Report**

<b>Incident Report Dt:</b>	10/16/1990 12:25:00 PM	<b>County:</b>	DUPAGE
<b>Data Input Status:</b>	CLOSED	<b>Entered by:</b>	
<b>LUST?:</b>		<b>Date Entered:</b>	
<b>Hazmat Incident Type:</b>	SPILL		
<b>Caller:</b>	MS. HOGAN		
<b>Caller Represents:</b>	DUCOMM		
<b>Street Address:</b>	51W 504 STEARNS RD.		
<b>City:</b>	BARTLETT		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=903037>

Narrative:

Follow Up Information:

#### Materials Involved

Name: SLUDGE  
 Type: UNKNOWN  
 CHRIS CODE:  
 CAS No:  
 UN/NA No:  
 Container Type: TRUCK  
 Container Size: TRUCK  
 Amount Released: 500 GALS  
 Rate of Release Min:  
 Duration of Release:  
 Cause of Release: TRUCK OVERTURNED  
 Est Spill Extent:  
 Spill Extent Units:  
 Date/Time Inc Occur: 10/16/90 1121  
 Unknown Occur:  
 Date/Time Discov:  
 Unknown Discovered:  
 Where Taken: -0-  
 On Scene Contact:  
 No of People Evacuat: -0-  
 A 302(a) Extremely Haz Sub?:  
 A RCRA Hazardous Waste?:  
 A RCRA Regulated Facility?:  
 Public Health Risks: NO  
 State Agency Assistance:  
 Containment/Cleanup Plans:

<a href="#">21</a>	1 of 1	NNE	0.42 / 2,192.81	763.60 / -24	47 Acres Southwind Park CCDD 2250 Southwind Blvd, Bartlett IL	CCDD
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Bol No: 0894125007  
 USFO CCDD Site: CCDD

<a href="#">22</a>	1 of 1	W	0.47 / 2,484.88	732.59 / -55	WASTE MANAGEMENT 33W900 Gilbert Street SOUTH ELGIN IL	SPILLS
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Incident No: 890874  
 Date/Time Occurred: 05/26/89 P.M.  
 Media Release:  
 Facility Manager:  
 Fac Manager Phone:  
 Responsible Party Street: RT.1,P.O. BOX 8H S.ELGIN,IL 60120  
 Area Involved:  
 Milepost:  
 Section:  
 Township:  
 Range:

County: KANE  
 Latitude:  
 Longitude:

#### Hazardous Materials Incident Report

Incident Report Dt: 5/27/1989 4:00:00 PM  
 Data Input Status: CLOSED  
 LUST?:  
 Hazmat Incident Type: SPILL

County: KANE  
 Entered by:  
 Date Entered:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Caller:</b>		CHRIS RUBAK				
<b>Caller Represents:</b>		WASTE MANAGEMENT,INC.				
<b>Street Address:</b>		33W900 Gilbert Street				
<b>City:</b>		SOUTH ELGIN				
<b>URL:</b>		https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=890874				
<b>Narrative:</b>						
<b>Follow Up Information:</b>						
<u><b>Materials Involved</b></u>						
<b>Name:</b>		DIESEL FUEL				
<b>Type:</b>		UNKNOWN				
<b>CHRIS CODE:</b>						
<b>CAS No:</b>						
<b>UN/NA No:</b>						
<b>Container Type:</b>		TRUCK				
<b>Container Size:</b>		TRUCK				
<b>Amount Released:</b>		1500 GALLONS				
<b>Rate of Release Min:</b>						
<b>Duration of Release:</b>						
<b>Cause of Release:</b>		VANDALISM				
<b>Est Spill Extent:</b>						
<b>Spill Extent Units:</b>						
<b>Date/Time Inc Occur:</b>		05/26/89 P.M.				
<b>Unknown Occur:</b>						
<b>Date/Time Discov:</b>						
<b>Unknown Discovered:</b>						
<b>Where Taken:</b>		NONE				
<b>On Scene Contact:</b>						
<b>No of People Evacuat:</b>		NONE				
<b>A 302(a) Extremely Haz Sub?:</b>						
<b>A RCRA Hazardous Waste?:</b>						
<b>A RCRA Regulated Facility?:</b>						
<b>Public Health Risks:</b>						
<b>State Agency Assistance:</b>						
<b>Containment/Cleanup Plans:</b>		OIL DRY.EXCAVATE,DISPOSE				
<u><b>Agency or Persons Notified</b></u>						
<b>Agency:</b>		NONE				
<b>Date/Time:</b>						
<b>Name of Person:</b>						
<b>Notification Action:</b>		Contacted				

<a href="#">23</a>	1 of 1	NW	0.99 / 5,212.42	748.04 / -40	SOUTH ELGIN PLANT & PIT KANE COUNTY SOUTH ELGIN IL 60177	MRDS
Dep ID:	10193209			I1:	27	
Dev Status:	PRODUCER			Latitude:	41.996094	
Code List:	SDG			Longitude:	-88.285583	
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10193209					

#### Commodity

I1:	23	Line:	1
Code:	SDG	Inserted By:	MAS migration
Commodity:	Sand and Gravel, Cons	Insert Date:	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic	Updated By:	USGS
Commodity Group:	Sand and Gravel	Update Date:	29-OCT-2002 09:01:49
Importance:	Primary		



<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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**Names**

<b><i>I1:</i></b>	15			<b><i>Inserted By:</i></b>	MAS migration
<b><i>Status:</i></b>	Current			<b><i>Insert Date:</i></b>	29-OCT-02
<b><i>Site Name:</i></b>	South Elgin Plant & Pit			<b><i>Updated By:</i></b>	USGS
<b><i>Line:</i></b>	1			<b><i>Update Date:</i></b>	29-OCT-02

## Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
AFS	ELMHURST CHICAGO STONE	ROUTE 25	ELGIN IL	60120	898741930
FINDS/FRS	ELGIN WAYNE DISPOSAL CONTRACTORS	RTE 25 <i>Registry ID: 110010011708</i>	ELGIN IL	60120	817452547
FINDS/FRS	WASTE MGMT OF IL - CLOSED LANDFILL	RTE 25 <i>Registry ID: 110018078462</i>	SOUTH ELGIN IL	60177	815296888
LUST	Brady Ready Mix	Rt. 25 South of <i>Incident No   Incidents ID   NFR Date: 911444   10800   04/21/2000</i>	Elgin IL	60120	812669499
RCRA NON GEN	ELGIN WAYNE DISPOSAL CONTRACTORS	RTE 25 <i>EPA Handler ID: ILD070166772</i>	ELGIN IL	60120	810102648
UST	Chicago Gravel-Elgin Pit	Rt 25 Elgin, IL 60121 <i>Facility No   Facility Status: 2002874   Closed Tank No   Status   Removed Date: 1   Removed   4/28/1999</i>	IL		813475242

# Unplottable Report

**Site:** ELMHURST CHICAGO STONE  
ROUTE 25 ELGIN IL 60120

AFS

<b>Afs ID:</b>	1708900193	<b>Fed Reportable:</b>	No
<b>Plant ID:</b>	92644	<b>Current Hpv:</b>	
<b>Epa Region:</b>	05	<b>Loc Contrl Region:</b>	
<b>Plant County:</b>	Kane	<b>Afs Gov Fac Code:</b>	0
<b>State No:</b>	17	<b>Operating Status:</b>	O
<b>Primary Sic Code:</b>	3272	<b>Epa Class Code:</b>	B
<b>Secondary Sic Code:</b>		<b>Epa Complian Stat:</b>	C
<b>Naics Code:</b>	327390	<b>State Comp Status:</b>	C
<b>Afs Gov Facility Des:</b>	PRIVATELY OWNED/OPERATED		
<b>Operating Status Def:</b>	Operating		
<b>Epa Classification Des:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Epa Compliance Status:</b>	In Compliance With Procedural Requirements		
<b>State Compliance Status:</b>	In Compliance With Procedural Requirements		

## Actions

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	9	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19930629	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19931215	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	
<b>Key Action No:</b>			
<b>Regional Data Element:</b>			
<b>National Action Desc:</b>	STATE INSPECTION - LEVEL 2 OR GREATER		
<b>All Air Program Def:</b>	0-SIP Source		
<b>Result Def:</b>			
<b>Pollutant Def:</b>			
<b>All Violating Poll Def:</b>			
<b>All Violation Type Def:</b>			

## Actions

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	7	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19920810	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	
<b>Key Action No:</b>			
<b>Regional Data Element:</b>			
<b>National Action Desc:</b>	STATE INSPECTION - LEVEL 2 OR GREATER		
<b>All Air Program Def:</b>	0-SIP Source		
<b>Result Def:</b>			
<b>Pollutant Def:</b>			
<b>All Violating Poll Def:</b>			
<b>All Violation Type Def:</b>			

## Actions

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	10	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19950727	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19951027	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	FS
<b>Anu1:</b>	11	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	20110429	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	20110607	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>	20110607	<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE CONDUCTED FCE/ON-SITE  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	5	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19900821	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	1	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19850809	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	8	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19920819	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	2	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19870916	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	6	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19910830	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	3	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19880819	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Actions**

<b>Plant ID:</b>	92644	<b>National Actn Type:</b>	5C
<b>Anu1:</b>	4	<b>All Air Prog Codes:</b>	0
<b>Date Achieved:</b>	19890830	<b>Result Code:</b>	
<b>Penalty Amount:</b>	0	<b>Pollutant Code:</b>	
<b>Record Updated Dt:</b>	19930316	<b>Violating Poll Cds:</b>	
<b>Creation Date:</b>		<b>Violation Type Cds:</b>	

**Key Action No:**  
**Regional Data Element:**  
**National Action Desc:** STATE INSPECTION - LEVEL 2 OR GREATER  
**All Air Program Def:** 0-SIP Source  
**Result Def:**  
**Pollutant Def:**  
**All Violating Poll Def:**  
**All Violation Type Def:**

**Historical Compliance - Air Program Level**

**Air Program Code:** 0  
**Air Program Code Ref:** SIP Source  
**Historical Compliance Date:** 1101, 1102, 1103, 1104, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 1401, 1402, 1403  
**Historical Compliance Status:** C  
**Historical Compliance Stat Ref:** In Compliance With Procedural Requirements

**Historical Compliance - Air Program Level**

**Air Program Code:** 0  
**Air Program Code Ref:** SIP Source  
**Historical Compliance Date:** 0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004  
**Historical Compliance Status:** 0  
**Historical Compliance Stat Ref:** Unknown Compliance Status

**Air Program**

<b>Plant ID:</b>	92644	<b>Poll Classificatn:</b>	B
<b>Air Program Code:</b>	0	<b>Poll Compli Status:</b>	C
<b>Air Program Status:</b>	O	<b>Epa Class Code:</b>	B
<b>Pollutant Code:</b>	PM2.5	<b>Epa Compli Status:</b>	C
<b>Chemical Abstract Service Nmbr:</b>			
<b>Air Program Code Subparts:</b>			
<b>Air Program Code Ref:</b>	SIP Source		
<b>Epa Classification Code Ref:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Epa Compliance Status Ref:</b>	In Compliance With Procedural Requirements		
<b>Pollutant Code Ref:</b>			
<b>Pollutant Classification Ref:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Pollutant Complian Status Ref:</b>	In Compliance With Procedural Requirements		

**Air Program**

<b>Plant ID:</b>	92644	<b>Poll Classificatn:</b>	B
<b>Air Program Code:</b>	0	<b>Poll Compli Status:</b>	C
<b>Air Program Status:</b>	O	<b>Epa Class Code:</b>	B
<b>Pollutant Code:</b>	PM10	<b>Epa Compli Status:</b>	C
<b>Chemical Abstract Service Nmbr:</b>			
<b>Air Program Code Subparts:</b>			
<b>Air Program Code Ref:</b>	SIP Source		
<b>Epa Classification Code Ref:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Epa Compliance Status Ref:</b>	In Compliance With Procedural Requirements		
<b>Pollutant Code Ref:</b>	Particulate Matter < 10 Um		
<b>Pollutant Classification Ref:</b>	Potential uncontrolled emissions <100 tons/year		
<b>Pollutant Complian Status Ref:</b>	In Compliance With Procedural Requirements		

**Air Program**

<b>Plant ID:</b>	92644	<b>Poll Classificatn:</b>	C
<b>Air Program Code:</b>	0	<b>Poll Compli Status:</b>	C
<b>Air Program Status:</b>	O	<b>Epa Class Code:</b>	B
<b>Pollutant Code:</b>	FACIL	<b>Epa Compli Status:</b>	C
<b>Chemical Abstract Service Nmbr:</b>			
<b>Air Program Code Subparts:</b>			
<b>Air Program Code Ref:</b>	SIP Source		



**Epa Classification Code Ref:** Potential uncontrolled emissions <100 tons/year  
**Epa Compliance Status Ref:** In Compliance With Procedural Requirements  
**Pollutant Code Ref:**  
**Pollutant Classification Ref:** Class is unknown.  
**Pollutant Compliance Status Ref:** In Compliance With Procedural Requirements

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**Site:** **ELGIN WAYNE DISPOSAL CONTRACTORS**  
**RTE 25 ELGIN IL 60120**

[FINDS/FRS](#)

**Registry ID:** 110010011708  
**FIPS Code:** 17089  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:** ON THE WEST SIDE OF RT. 25)  
**Create Date:** 01-MAR-00  
**Update Date:** 26-JAN-12  
**Interest Types:** UNSPECIFIED UNIVERSE  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 05  
**County Name:** KANE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110010011708](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110010011708)  
**Data Source:** Facility Registry Service - Single File  
**Program Acronyms:**

RCRAINFO:ILD070166772

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**Site:** **WASTE MGMT OF IL - CLOSED LANDFILL**  
**RTE 25 SOUTH ELGIN IL 60177**

[FINDS/FRS](#)

**Registry ID:** 110018078462  
**FIPS Code:** 17089  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 18-OCT-04  
**Update Date:** 16-AUG-07  
**Interest Types:** STATE MASTER  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**

**Census Block Code:**  
**EPA Region Code:** 05  
**County Name:** KANE  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** https://ofmpub.epa.gov/frs\_public2/fii\_query\_detail.disp\_program\_facility?p\_registry\_id=110018078462  
**Data Source:** Facility Registry Service - Single File  
**Program Acronyms:**

ACES:170000387141

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**Site:** **Brady Ready Mix**  
**Rt. 25 South of Elgin IL 60120**

LUST

<b>Incident No:</b>	911444	<b>LPC No:</b>	0894385163
<b>Incidents ID:</b>	10800	<b>IEMA Date:</b>	05/30/1991
<b>NFR Date:</b>	04/21/2000	<b>Regulation:</b>	731
<b>Gasoline:</b>	True	<b>C 20 Day Report Date:</b>	02/03/2000
<b>Unleaded:</b>	False	<b>C 45 Day Report Date:</b>	02/03/2000
<b>Diesel:</b>	False	<b>NFR Recorded Date:</b>	05/22/2000
<b>Fuel Oil:</b>	False	<b>Pre 74 Date:</b>	
<b>Jet Fuel:</b>	False	<b>Proj Manager Phone:</b>	(217) 785-5715
<b>Used Oil:</b>	False	<b>Proj Mngr First Nm:</b>	Eric
<b>Non Petroleum Prod:</b>	False	<b>Proj Mngr Last Nm:</b>	Kuhlman
<b>Other Petroleum:</b>	False	<b>Proj Manager Email:</b>	Eric.Kuhlman@illinois.gov
<b>Non LUST Date:</b>		<b>Site County:</b>	Kane
<b>Non LUST Letter Dt:</b>			
<b>Heating Oil Letter Date:</b>			
<b>Free Product Discovery Date:</b>			
<b>Primary Resp Party Name:</b>	Brady Ready Mix		
<b>Primary Resp Party Address:</b>	P.O. Box 886		
<b>Primary Resp Party City:</b>	Elgin		
<b>Primary Resp Party State:</b>	IL		
<b>Primary Resp Party ZIP:</b>	60121		
<b>Primary Resp Party Phone:</b>			
<b>Primary Resp Party Contact:</b>	Richard O'Connell		

---

**Site:** **ELGIN WAYNE DISPOSAL CONTRACTORS**  
**RTE 25 ELGIN IL 60120**

RCRA NON GEN

**EPA Handler ID:** ILD070166772  
**Gen Status Universe:** No Report  
**Contact Name:** GEORGE ORCUTT  
**Contact Address:** RR 1 BOX 8H , , ELGIN , IL, 60120 , US  
**Contact Phone No and Ext:** 312-742-8492  
**Contact Email:**  
**Contact Country:** US  
**County Name:** KANE  
**EPA Region:** 05  
**Land Type:** Other  
**Receive Date:** 20090813  
**Location Latitude:**  
**Location Longitude:**

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Jul 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19800818  
**Handler Name:** ELGIN WAYNE DISPOSAL CONTRACTORS  
**Source Type:** Notification  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

### Waste Code Details

**Hazardous Waste Code:** D000  
**Waste Code Description:** DESCRIPTION

### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20090813  
**Handler Name:** ELGIN WAYNE DISPOSAL CONTRACTORS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

### Owner/Operator Details

**Owner/Operator Ind:** Current Operator  
**Type:** Private  
**Name:** NAME NOT REPORTED  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 312-555-1212  
**Source Type:** Notification

**Street No:**  
**Street 1:** ADDRESS NOT REPORTED  
**Street 2:**  
**City:** CITY NOT REPORTED  
**State:** AK  
**Country:**  
**Zip Code:** 99998

**Owner/Operator Ind:** Current Owner  
**Type:** Private  
**Name:** NAME NOT REPORTED  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 312-555-1212  
**Source Type:** Notification

**Street No:**  
**Street 1:** ADDRESS NOT REPORTED  
**Street 2:**  
**City:** CITY NOT REPORTED  
**State:** AK  
**Country:**  
**Zip Code:** 99998

**Owner/Operator Ind:** Current Owner  
**Type:** Private  
**Name:** NAME NOT REPORTED  
**Date Became Current:**  
**Date Ended Current:**  
**Phone:** 312-555-1212  
**Source Type:** Implementer

**Street No:**  
**Street 1:** ADDRESS NOT REPORTED  
**Street 2:**  
**City:** CITY NOT REPORTED  
**State:** AK  
**Country:**  
**Zip Code:** 99998

**Owner/Operator Ind:** Current Operator

**Street No:**

<b>Type:</b>	Private	<b>Street 1:</b>	ADDRESS NOT REPORTED
<b>Name:</b>	NAME NOT REPORTED	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	CITY NOT REPORTED
<b>Date Ended Current:</b>		<b>State:</b>	AK
<b>Phone:</b>	312-555-1212	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	99998

#### Historical Handler Details

**Receive Dt:** 19800818  
**Generator Code Description:** Not a Generator, Verified  
**Handler Name:** ELGIN WAYNE DISPOSAL CONTRACTORS

**Site:** Chicago Gravel-Elgin Pit  
Rt 25 Elgin, IL 60121 IL

UST

<b>Facility No:</b>	2002874	<b>Facility Type:</b>	Industrial / Manufacturing
<b>Facility Status:</b>	Closed	<b>Owner Type:</b>	Private
<b>Fac Details Status:</b>	Closed	<b>Owner Status:</b>	Current Owner
<b>Fac Type Fac Details:</b>	Industrial / Manufacturing	<b>County:</b>	Kane
<b>Owner Name:</b>	Chicago Gravel Co		
<b>Facility URL:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2002874">http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2002874</a>		

#### Tank Information

<b>Tank No:</b>	1	<b>Capacity:</b>	500
<b>UI No:</b>		<b>Petroleum Use:</b>	
<b>Status:</b>	Removed	<b>Product:</b>	Gasoline
<b>Removed Date:</b>	4/28/1999	<b>CERCLA Substance:</b>	
<b>Install Date:</b>		<b>Current Age:</b>	18
<b>Abandoned Date:</b>		<b>Abandoned Material:</b>	
<b>Last Used Date:</b>		<b>Product Date:</b>	
<b>Red Tag Issue Date:</b>		<b>Fee Due:</b>	\$0.00
<b>CAS Code:</b>		<b>Regulated Status:</b>	Federal
<b>OSFM First Noti Dt:</b>	3/6/1986		

#### Owner Summary

<b>Owner No:</b>	U0002867	<b>Owner Status:</b>	Current Owner
<b>Owner Name:</b>	Chicago Gravel Co	<b>Purchase Date:</b>	
<b>Ownership History:</b>	<a href="http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2002874">http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2002874</a>		

#### Owner Details

<b>Owner Name:</b>	Chicago Gravel Co	<b>Type Financial Resp:</b>	
<b>Owner Status:</b>	Current Owner	<b>Fin Resp Rpt Due:</b>	
<b>Purchase Date:</b>			
<b>Owner Address:</b>	343 S Dearborn St Chicago, IL 60604		

#### IEMA No

<b>Permit No:</b>	00937-1999REM	<b>Inspection Date:</b>	4/28/1999
<b>IEMA No:</b>	991052	<b>Inspection Type:</b>	Removal Log
<b>IEMA Link:</b>	<a href="https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx">https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx</a>		

#### Facility Details

<b>MFD Forms Status:</b>		<b>Green Tag Decal:</b>	
<b>MFD Permit Issue Dt:</b>		<b>Green Tag Issue Date:</b>	
<b>MFD Permit Exp Dt:</b>		<b>Green Tag Exp Date:</b>	
<b>Property Parcel:</b>		<b>Motor Fuel Type:</b>	
<b>Pending Nov:</b>	No		
<b>Permit History Link:</b>	<a href="https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2002874">https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2002874</a>		

## Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

### **Standard Environmental Record Sources**

#### **Federal**

##### **National Priority List:**

NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

##### **National Priority List - Proposed:**

PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

##### **Deleted NPL:**

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: May 25, 2023**

##### **SEMS List 8R Active Site Inventory:**

SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

**Government Publication Date: Jul 26, 2023**

**Inventory of Open Dumps, June 1985:**

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**SEMS List 8R Archive Sites:**

SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: Jul 26, 2023**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

CERCLIS

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**CERCLIS - No Further Remedial Action Planned:**

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Jul 10, 2023**

**RCRA non-CORRACTS TSD Facilities:**

RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

**Government Publication Date: Jul 10, 2023**



**RCRA Generator List:**[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Jul 10, 2023**

**RCRA Small Quantity Generators List:**[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Jul 10, 2023**

**RCRA Very Small Quantity Generators List:**[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Jul 10, 2023**

**RCRA Non-Generators:**[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Jul 10, 2023**

**RCRA Sites with Controls:**[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Jul 10, 2023**

**Federal Engineering Controls-ECs:**[FED ENG](#)

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 22, 2023**

**Federal Institutional Controls- ICs:**[FED INST](#)

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 22, 2023**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date:** Sep 1, 2006

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date:** May 25, 2023

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1982-1986

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1987-1989

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date:** Apr 3, 2023

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date:** Sep 13, 2022

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date:** Dec 31, 2017

**Facility Response Plan:**

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

**Government Publication Date:** May 2, 2023

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date:** May 2, 2023

**Historical Gas Stations:****HIST GAS STATIONS**

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date:** Jul 1, 1930

**Petroleum Refineries:****REFN**

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date:** Mar 9, 2023

**Petroleum Product and Crude Oil Rail Terminals:****BULK TERMINAL**

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date:** Jun 29, 2022

**LIEN on Property:****SEMS LIEN**

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date:** Jul 26, 2023

**Superfund Decision Documents:****SUPERFUND ROD**

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date:** Mar 23, 2023

**Formerly Utilized Sites Remedial Action Program:****DOE FUSRAP**

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date:** Mar 4, 2017

**State****State Response Action Program Database:****SSU**

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

**Government Publication Date:** Aug 3, 2023

**Delisted State Response Action Program:****DELISTED SSU**

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

**Government Publication Date:** Aug 3, 2023

**Solid Waste Landfills Subject to State Surcharge Database:****SWF/LF**

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

**Government Publication Date:** Jul 13, 2022

**Special Waste Site List:**

SWF/LF SPECIAL

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

**Government Publication Date:** Jan 1, 1990

**Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in**

NIPC

**Northeastern Illinois:**

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

**Government Publication Date:** Dec 1987

**Clean Construction or Demolition Debris:**

CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

**Government Publication Date:** Apr 19, 2022

**Leaking Underground Storage Tanks (LUST):**

LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

**Government Publication Date:** Aug 3, 2023

**Leaking UST Document:**

LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

**Government Publication Date:** Apr 19, 2023

**Delisted Leaking Underground Storage Tank Sites:**

DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

**Government Publication Date:** Aug 3, 2023

**Underground Storage Tank Fund Payment Priority List:**

LUST TRUST

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. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

**Government Publication Date:** Nov 01, 2016

**Underground Storage Tank Database (UST):**

UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

**Government Publication Date:** Aug 3, 2023

**Aboveground Storage Tanks (AST):**

AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

**Government Publication Date:** Jun 30, 2023

**Delisted Storage Tanks:**

DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

**Government Publication Date:** Aug 3, 2023

**Sites with Engineering Controls:**

ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

**Government Publication Date:** Jun 28, 2023

**Institutional Controls:**

INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

**Government Publication Date:** Jun 28, 2023

**Environmental Covenants Registry:**

AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statutes (ILCS) 122 et seq.) creates an environmental covenant that is a specific recordable interest in real estate. It arises from an environmental response project that imposes activity and use limitations on a property. No environmental covenant is effective without the approval of the Illinois EPA, through the Director's signature. The UECA instrument recites the property use controls and remediation requirements imposed upon the property. Section 12(a) of the Illinois UECA requires the Illinois EPA to establish and maintain a registry that contains all environmental covenants and any amendment or termination of those covenants.

**Government Publication Date:** Aug 7, 2020

**Illinois Site Remediation Program Database:**

SRP

The Site Remediation Program (SRP) 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). This Site Remediation program database made available by Illinois Environmental Protection Agency.

**Government Publication Date:** Jun 28, 2023

**Document Explorer Remediation and Assessment Sites:**

REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

**Government Publication Date:** Apr 19, 2023

**Brownfields Redevelopment Assessment Database:**

BROWNFIELDS

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

**Government Publication Date:** Mar 24, 2022

**Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA:**

BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

**Government Publication Date:** Mar 31, 2013

**Tribal****Leaking Underground Storage Tanks on Indian Lands:**

INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

**Government Publication Date:** Oct 16, 2017

**Underground Storage Tanks (USTs) on Indian Lands:**

INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

**Government Publication Date:** Oct 16, 2017

**Delisted Tribal Leaking Storage Tanks:**

DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Apr 26, 2023

**Delisted Tribal Underground Storage Tanks:**[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Apr 26, 2023

**County****Chicago Storage Tanks:**[TANKS CHICAGO](#)

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago 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 City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

**Government Publication Date:** Aug 23, 2023

**Chicago Environmental Permits:**[PERMITS CHICAGO](#)

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

**Government Publication Date:** Jun 15, 2023

**Additional Environmental Record Sources****Federal****Facility Registry Service/Facility Index:**[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

**Government Publication Date:** Aug 18, 2022

**Toxics Release Inventory (TRI) Program:**[TRIS](#)

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

**Government Publication Date:** Oct 19, 2022

**PFOA/PFOS Contaminated Sites:**[PFAS NPL](#)

This list of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been detected in water and/or soil is provided by the U.S. Environmental Protection Agency (EPA). EPA Disclaimer with FOIA file: Inclusion on the list does not necessarily mean that drinking water has been affected, nor does inclusion mean that anyone at the site has been exposed or is at risk for detrimental health effects.

**Government Publication Date:** Jun 15, 2023

**Federal Agency Locations with Known or Suspected PFAS Detections:**[PFAS FED SITES](#)

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to April 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date:** Apr 24, 2023



**SSEHRI PFAS Contamination Sites:**

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date: Oct 9, 2022****National Response Center PFAS Spills:**

ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Limitations: The data from the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Apr 15, 2023****PFAS NPDES Discharge Monitoring:**

PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: May 1, 2023****Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

**Government Publication Date: Oct 19, 2022****Perfluorinated Alkyl Substances (PFAS) Water Quality:**

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

**Government Publication Date: Jul 20, 2020****PFAS TSCA Manufacture and Import Facilities:**

PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jan 5, 2023**

**PFAS Waste Transfers from RCRA e-Manifest :****PFAS E-MANIFEST**

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

**Government Publication Date: Apr 9, 2023****PFAS Industry Sectors:****PFAS IND**

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

**Government Publication Date: Apr 16, 2023****Hazardous Materials Information Reporting System:****HMIRS**

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

**Government Publication Date: Sep 1, 2020****National Clandestine Drug Labs:****NCDL**

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

**Government Publication Date: Feb 8, 2023****Toxic Substances Control Act:****TSCA**

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

**Government Publication Date: Apr 11, 2019****Hist TSCA:****HIST TSCA**

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006****FTTS Administrative Case Listing:****FTTS ADMIN**

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date:** Jan 19, 2007

**Potentially Responsible Parties List:**

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date:** Aug 23, 2023

**State Coalition for Remediation of Drycleaners Listing:**

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date:** Nov 08, 2017

**Integrated Compliance Information System (ICIS):**

ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

**Government Publication Date:** Jan 21, 2023

**Drycleaner Facilities:**

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date:** Apr 15, 2023

**Delisted Drycleaner Facilities:**

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date:** Apr 15, 2023

**Formerly Used Defense Sites:**

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

**Government Publication Date:** Jul 12, 2022

**FUDS Munitions Response Sites:**

FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

**Government Publication Date:** Jul 12, 2022

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date:** Dec 2, 1984

**PHMSA Pipeline Safety Flagged Incidents:**

**PIPELINE INCIDENT**

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

**Government Publication Date:** Dec 30, 2022

**Material Licensing Tracking System (MLTS):**

**MLTS**

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date:** May 11, 2021

**Historic Material Licensing Tracking System (MLTS) sites:**

**HIST MLTS**

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date:** Jan 31, 2010

**Mines Master Index File:**

**MINES**

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date:** May 1, 2023

**Surface Mining Control and Reclamation Act Sites:**

**SMCRA**

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

**Government Publication Date:** Jun 13, 2023

**Mineral Resource Data System:**

**MRDS**

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date:** Mar 15, 2016

**DOE Legacy Management Sites:**

**LM SITES**

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: May 25, 2023**

#### **Alternative Fueling Stations:**

**ALT FUELS**

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

**Government Publication Date: Aug 30, 2023**

#### **Superfunds Consent Decrees:**

**CONSENT DECREES**

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Apr 19, 2023**

#### **Air Facility System:**

**AFS**

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

#### **Registered Pesticide Establishments:**

**SSTS**

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Mar 1, 2023**

#### **Polychlorinated Biphenyl (PCB) Transformers:**

**PCBT**

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

#### **Polychlorinated Biphenyl (PCB) Notifiers:**

**PCB**

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: Mar 20, 2023**

#### **State**

#### **Spills and Incidents:**

**SPILLS**

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.



**Emergency Response Releases & Spills Database:**

[SPILL OER](#)

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.

The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Jul 13, 2023

**Per- and Polyfluoroalkyl Substances (PFAS):**

[PFAS](#)

A list of reports taken by the Illinois Emergency Management Agency (IEMA) of incidents involving hazardous materials, where the hazardous material involved in the incident is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jul 13, 2023

**Dry Cleaning Facilities:**

[DRYCLEANERS](#)

This list of licensed drycleaner facilities is provided by the Drycleaner Environmental Response Trust Fund of Illinois; and since July 1, 2020, is administrated by Illinois Environmental Protection Agency (IEPA).

Government Publication Date: Jun 14, 2023

**Delisted Drycleaners:**

[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Jun 14, 2023

**IEPA Document Explorer:**

[IEPA DOCS](#)

A list of permits and documents found in the Illinois Environmental Protection Agency (IEPA) Document Explorer. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are available in a digital format. This list includes records not otherwise categorized as LUST, Remediation, Air Permits, NPDES, or Compliance Commitment Agreements.

Government Publication Date: Apr 19, 2023

**Clandestine Drug Labs:**

[CDL](#)

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Jan 4, 2023

**Tier 2 Report:**

[TIER 2](#)

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Nov 11, 2022

**Air Permits:**

[AIR PERMITS](#)

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 19, 2023

**Underground Injection Control Wells:**

[UIC](#)

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

Government Publication Date: Aug 1, 2019

**Potentially Infectious Medical Waste Facilities:**

[MEDICAL WASTE](#)

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as 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. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

Government Publication Date: Jun 6, 2023



**Compost Facilities:****COMPOST**

The Illinois Environmental Protection Agency's Bureau of Land, Division of Land Pollution Control maintains this list of composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled.

**Government Publication Date: Sep 2, 2016**

**Tribal**

***No Tribal additional environmental record sources available for this State.***

**County**

***No County additional environmental record sources available for this State.***

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

[Skip to main content](#)

Public Record Requests

- [Kane County](#)
- [Make request](#)
- [All requests](#)
- [Documents](#)
- [Sign in](#)

# Request a public record

Documents, photos, emails, texts, videos, data and other records.

Request Description

All environmental records of concern—examples: violations, spills, leaks, fires, clean-ups, remediation, records of solid/ chemical/ hazardous substance usage, and / or disposal for and including within 0.5 miles of the following address:  
Address: Unaddressed Parcel on Route 25, St Charles, IL 60120 (Former Tri-County Landfill)  
TaxID: 09-01-200-017  
Owner: Tri County Landfill Co

Upload and attach files (optional)

Choose file(s)

\* Department

Environmental and Water Resources

x

v

# Your information

Who can see my personal information?

i

Email

mdelaney@labellapc.com

Name

Michael Delaney

Phone

5856940655

Street address

300 State Street,  
Suite 201

City

Rochester

\* State

New York

Zip

14614

Company

LaBella Accociates

\* Indicates required field

- Please indicate if your request is commercial or being submitted by a representative of the media
- The Freedom of Information Act (FOIA) is a state law providing citizens with access to public records. Public records are documents produced by the Kane County and not requests for information that are not in the form of a record or document.
- The information you are seeking may not require a FOIA request as it may already be accessible on Kane County's website, or by contacting the department directly. Access our Document Library to view records that are available without a FOIA request.
- **Remember, the Freedom of Information Act is designed to allow you to inspect or receive copies of public records. If you have a question for a representative of Kane County, a FOIA request is not required. Please submit your questions to the appropriate County department or Elected official's office.**
- All written requests shall be responded to within five (5) working days (5 ILCS/140/3) following the date the request is received, except in the instance when the request is for commercial purposes (within 21 working days). The five day count begins the day after receipt of the request. The requestor will be notified of a five day extension (working days) if the files are voluminous, at different locations, or if other reasons make it impossible to assemble and mail the request out within the normal five day period.
- For black and white, letter or legal sized copies, the first 50 pages are free, unless a different fee is otherwise fixed by statute. Any additional pages beyond 50 will be charged at .15 cents per copy. Color and oversized copies will be charged the actual cost of copying.
- You are permitted to request a waiver of copying fees associated with this request. Please include a specific explanation as to why your request for information is in the public interest (not simply your personal interest) and merits a fee waiver.
- For more information regarding the Freedom of Information Act, please visit the [Illinois Attorney General's website](#).
- Many offices for elected officials have their own unique FOIA process. Please contact the proper office for your request to minimize any delays in receiving the information in your request.

[FAQS](#)[Help](#)[Privacy](#)[Terms](#) **NextRequest**  
POWERED BY CIVICPLUS

**Delaney, Michael**

---

**From:** Kane County FOIA Request - Time Sensitive <messages@nextrequest.com>  
**Sent:** Thursday, September 21, 2023 4:30 PM  
**To:** Delaney, Michael  
**Subject:** [Ext] Your Kane County public records request #23-726 has been opened.

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

## Kane County Public Records

**Your record request #23-726 has been submitted successfully.**

**[View Request 23-726](#)**

<https://kanecountyil.nextrequest.com/requests/23-726>

As the requester, you can always see the status of your request by signing into the Kane County [portal](#).

If you haven't already signed in, you may need to [activate or setup your account](#) to get started. Once your account is activated, you can communicate directly with the Kane County through NextRequest.



Reply to this email or sign in to contact Kane County.

[Change your email settings](#) | [Visit our help center](#)

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## Freedom of Information Act (FOIA)

## Submit Request

Use this form to request copies of Illinois EPA records.

**If your request is for a commercial purpose, you must identify that it is for a commercial purpose.**

If you have questions concerning whether your request is for a commercial purpose, you may **review the FOIA FAQs**. (<http://epa.illinois.gov/foia/faqs/index>) Please note that it is a violation of the Freedom of Information Act to knowingly obtain a public record for a commercial purpose without disclosing this information, upon request.

Do you have an ID number for a site or facility?

Reference ID number (Optional)

170000387141 x

Provide a date range for your request

Date Range

09/21/1900 - 09/21/2023



Providing a reasonable date range will prevent an excessive volume of responsive material. This large volume of documents and data can lead to high copy costs and may require extended processing time.

Is your request for a commercial purpose?

☐ Yes ☒ No

What do you want to receive?

Request Narrative



Any records of environmental enforcement; permits regarding environmental matters; information on any environmental remediation, hazardous materials, solid materials, and land use restrictions present on the Site including any existing engineering controls and previous environmental law enforcement regarding these issues. Any information on environmental investigation, including water, air, and any spills reported on the Site. Records for any Petroleum Bulk Storage tanks, Brownfield Cleanup Programs, and Voluntary Cleanup Programs on the Site:

Address: Unaddressed Parcel on Route 25, St Charles, IL 60120 (Former Tri-County Landfill)

TaxID: 09-01-200-017

Owner: Tri County Landfill Co

Submit my request



**Delaney, Michael**

---

**From:** epa.foia@illinois.gov  
**Sent:** Thursday, September 21, 2023 4:48 PM  
**To:** Delaney, Michael  
**Subject:** [Ext] Illinois EPA FOIA Request Received - Michael Delaney



## Illinois Environmental Protection Agency

---

### FOIA Request Received

Thursday, September 21, 2023

Mr. Michael Delaney  
LaBella Associates  
300 State Street, Suite 201  
Rochester, NY 14614

Requester Type: Consultant

Dear Michael Delaney,

We have received your request for information under the Illinois Freedom of Information Act. Listed below is a summary of what we received in your online request.

**Please do not reply to this email. If you have questions about your request please call (217) 558-5101.**

### Request Summary

<b>Received</b>	9/21/2023 3:48:14 PM
<b>Reference Id(s)</b>	170000387141
<b>Date Range</b>	09/21/1900 - 09/21/2023
<b>Request Narrative</b>	Any records of environmental enforcement; permits regarding environmental matters; information on any environmental remediation, hazardous materials, solid materials, and land use restrictions present on the Site including any existing engineering controls and previous environmental law enforcement regarding

these issues. Any information on environmental investigation, including water, air, and any spills reported on the Site. Records for any Petroleum Bulk Storage tanks, Brownfield Cleanup Programs, and Voluntary Cleanup Programs on the Site: Address: Unaddressed Parcel on Route 25, St Charles, IL 60120 (Former Tri-County Landfill) TaxID: 09-01-200-017 Owner: Tri County Landfill Co

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# Qualifications



## MICHAEL DELANEY

### Environmental Analyst

Michael is an Environmental Analyst working with the Due Diligence Program of LaBella's Environmental Division. Michael is responsible for preparing Phase I Environmental Site Assessments (ESAs) and Transaction Screen ESAs technical reports, and completing other environmental due diligence reports..

#### EDUCATION

SUNY College at Brockport,  
Geology: BS

Michael has conducted numerous Environmental Site Assessments. Site assessments include evaluation of environmental liability associated with properties such as commercial properties, undeveloped land, natural gas regulator stations, and residential homes. Michael provides efficient analysis and has completed environmental assessments for the following groups:

#### Medical Institutions

- Southern Tier AIDS Program (STAP)

#### Financial Institutions

- Canandaigua National Bank
- Community Bank
- Counterpoint Mortgage
- Northwest Bank
- Steuben Trust Company

#### Development and Construction Companies

- Buckingham Properties
- Flaum Management Company, Inc.
- Prime Development, Inc.

#### Engineering and Architectural Firms

- MRB Group

#### Electric and Gas Utility Companies

- NYSEG





## CHARLES PLUSH

### Environmental Manager

Charlie is an Environmental Manager and is responsible for a variety of environmental services including wetland/stream delineations, regulatory permitting, wetland/stream mitigation design, and endangered species assessments. Charlie has a diverse background in wildlife and ecological research, land management, and restoration project coordination and supervision. He particularly specializes in the management and restoration of wetland ecosystems, and how human interactions influence the plant and animal communities.

### CWB®

**Certified Wildlife Biologist**

### EDUCATION

University of Georgia: B.S. in Wildlife

North Carolina State University:  
M.S. in Fisheries, Wildlife, and Conservation Biology

### CERTIFICATIONS

Tennessee Erosion Prevention and Sediment Control - Level 1

Tennessee Qualified Hydrologic Professional In Training (TN-QHP-IT) certified by Tennessee Department of Environment & Conservation (TDEC)

### ORGANIZATIONS

Wildlife Society

### Environmental Reviews

**New Leaf Energy, Inc.: Dragon Solar Critical Issues Analysis—DeRidder, LA**

Conducted a desktop review of environmental and regulatory constraints to assess the feasibility for utility scale solar development on 600 acres in Beauregard Parish, LA. Produced a report and numerous maps identifying environmentally sensitive resources such as wetlands, streams, floodplains, wildlife habitats, geology, recreational/open spaces, and historic/cultural resources. Also analyzed zoning codes and laws to ascertain the appropriate location and design of the proposed project.

### Wetland Delineations/ Hydrologic Determinations

**US Pipe, Chattanooga Lookouts Stadium—Chattanooga, TN, July 2023**

Charlie conducted a wetland delineation/hydrologic determination on approximately 90 acres in Chattanooga, TN, as part of the Chattanooga Lookouts baseball stadium design project. Concurrence of the hydrologic determination was approved

by state and federal regulatory agencies and used for design and development plans for new stadium construction project.

**Avangrid ROW Transmission Line Delineation—Bath, NY, October 2023**

Charlie completed wetland/stream delineations, Edinger ecological community mapping, and invasive species mapping on approximately 10 miles of an electrical transmission line right of way near Bath, NY. Delineation and plant community mapping will be used to inform permitting and development plans for a right of way expansion project in the southern tier of New York state.

### Habitat and Wildlife Assessments

Charlie has conducted numerous wildlife and habitat assessments. He managed the recording of field notes, photography, completion of necessary data forms, and data analysis. He has produced numerous wildlife and habitat reports for the Kentucky Department of Fish and Wildlife Resources (KDFWR), the Natural Resource Conservation Service (NRCS), and US Fish and Wildlife Service (USFWS).

**KDFWR: United States Geological Survey (USGS) Breeding Bird Surveys (BBS)—Western Kentucky**

Performed yearly breeding bird surveys on designated routes. Charlie collected and submitted data using standardized protocol.

**KDFWR: USFWS Mourning Dove Call-Count Survey—KY**

Collected and submitted field data on mourning dove abundance according to USFWS protocols on designated survey routes.

**KDFWR: USGS North American Marsh Bird Survey—KY**

Charlie collected and submitted marsh bird abundance and occupancy data using call-back recording at designated survey points established by USGS.

**North Carolina State University: Winter Songbird Surveys—Raleigh, NC**

Charlie collected field data and used statistical models to determine differences in wintering songbird abundance across various field border habitats within farmlands. Findings were published in the scientific publication, *Journal of Wildlife Management*.

**KDFWR: Weekly Waterfowl Surveys and Reports—KY**

Surveys were completed via fixed-winged aircraft or vehicle routes to collect long-term population data of waterfowl in western Kentucky. Charlie analyzed data and produced reports disseminated to the public.

**KDFWR: Northern Bobwhite Covey Call Counts—KY**

Collected Northern Bobwhite occupancy and abundance data

at fixed survey points for the National Bobwhite Conservation Initiative's Livingston County and Peabody Wildlife Management Area Quail Focus Areas.

**USFWS and Tennessee Wildlife Resource Agency (TWRA), Endangered Species Consultation, US Pipe/Chattanooga Lookouts Stadium**

Completed protected species screening report and consultation on 90 acre project area for development of the Chattanooga Lookouts Stadium project.

**USFWS and Illinois Department of Natural Resources, Tri-County Solar Project, Kane County, Illinois.**

Completed protected species screening report and consultation with federal/state agencies for proposed 100 acres solar development in Kane County, Illinois.

**Wetland Restoration**

**KDFWR: Crenshaw Tract Wetland Restoration Project—Henderson County, KY**

In partnership with Ducks Unlimited, Charlie leveraged North American Wetland Conservation Act (NAWCA) funding to create 120 acres of wetland habitat on the Sloughs Wildlife Management Area (WMA). Project included the installation of deep wells, water control structures, and earthen dams to create and manage exceptional habitat for waterfowl and wetland dependent wildlife species on public-owned land.

**KDFWR: Big Rivers WMA Wetland Restoration Project—Union and Crittenden County, KY**

In partnership with The Nature Conservancy, Charlie used NAWCA funding to create and

restore approximately 200 acres of wetland habitat on the Big Rivers WMA. Restoration work included 150 acres of bottom-land hardwood tree plantings on land formerly in row crop production. Tree plantings were targeted to create vegetative buffers along low-elevation areas bordering the Tradewater and Ohio River. Aside from improving water quality, tree plantings provided future habitat for the endangered Indiana Bat found in the area. Restoration work also included the creation of four, shallow-water wetlands on previous row-crop land, totally approximately 50 acres of wetland habitat.

**USDA-NRCS-KDFWR: Federal Wetland Reserve Program (WRP)—KY**

Working alongside the Natural Resource Conservation Service (NRCS), Charlie enrolled several thousand acres into permanent wetland conservation easements through the United States Department of Agriculture (USDA) Wetland Reserve Program (WRP). Charlie conducted site visits to rank program applicants and calculate total acreage eligible for the program using NRCS guidelines that follow the 1987 Army Corps of Engineers Wetland Delineation Manual. Upon enrollment, Charlie designed site-specific restoration plans, and administered Federal contracts for a variety of restoration practices including earthmoving, tree plantings, native prairie plantings, invasive species control, and drainage tile removal. He worked collaboratively with contractors to ensure restoration work was completed correctly, and according to Federal contract standards.

**KDFWR: Lover's Lane In-Lieu Fee**

### **Wetland Restoration Project— Union County, KY**

Charlie worked in partnership with the KDFWR Stream Team to restore 35 acres of wetland habitat on the Big Rivers WMA via wetland mitigation funding. Land was previously in row crop production. Restoration work included bottom-land hardwood tree plantings, removal of drainage field tile, earthmoving, and strategic ditch plugs to restore the natural hydrology and native plant community within the site

### **Rare Ecosystem Restoration**

#### **KDFWR: Xerohydric Flatwoods Restoration Project—Union County, KY**

Charlie worked in partnership with the Nature Conservancy and KY State Forestry Department to restore an extremely rare ecosystem on the Big Rivers WMA, known commonly as Xerohydric Flatwoods. The site is characterized by a unique soil type that cycles between hydric to xeric depending on the season, and consequently expresses a range of rare, herbaceous plants and a tree overstory dominated by post oaks. Restoration work included selective timber harvesting and prescribed fire. Charlie also provided detailed monitoring and sampling of the vegetative community pre and post restoration to formulate reports.

### **Invasive Species Management**

Charlie has extensive experience in the identification and control of invasive plant species. He has developed and completed multiple species- and site-

specific management plans for invasive species control on thousands of acres. Such practices included various mechanical treatments, herbicide applications, and prescribed fire; with each management prescription tailored to local conditions and focused on restoration objectives.

### **Stream Restoration**

#### **Eagle Creek In-Lieu Fee Mitigation Project—Union County, KY**

Charlie worked in partnership with the KDFWR Stream Team to restore approximately 0.5 mile of Eagle Creek on the Higginson-Henry WMA via mitigation funds. Eagle Creek was previously channelized to facilitate row crop production on the site. Restoration work included restoring the creek's natural flow patterns, bank stabilization, and establishing substantial native vegetation buffers along the creek on areas previously in row crop production.

### **Professional Presentations**

Speaker and panel leader at Tennessee Environmental Conference, Kingsport, TN. October 23-25, 2023. Panel topic, "Who's Protecting Our Wetlands? Implications of the Recent SCOTUS Waters of the US Sackett Decision."



## DAVID CRANDALL

### Phase I Program Manager

#### PG

Professional Geologist, NY

#### EDUCATION

State University of New York  
College of Environmental  
Science and Forestry: BS.  
Environmental Studies,  
Concentration in Policy and  
Management, graduated Cum  
Laude

#### CERTIFICATIONS/ REGISTRATIONS

Environmental Professional, as  
per USEPA AAI Rule

40 Hour HAZWOPER/  
Supervisor; 8-hour refresher

Dave is LaBella's Phase I Program Manager and is responsible for oversight, training, and professional development of Analysts and Senior Reviewer staff, overall quality assurance/quality control of Phase I Environment Site Assessment, Transactions Screen, and Records Search with Risk Assessment (RSRA) due diligence reports, and assisting project managers with client interactions and business development activities. Dave has been involved in over 10,000 due diligence projects ranging from undeveloped land and commercial properties to automotive repair facilities, gasoline stations, and large-scale industrial facilities. Dave has performed environmental due diligence services for attorneys, private entities/developers, municipalities, and various commercial lenders. In addition, Dave is experienced in environmental investigation and remediation techniques and offers his experience in these areas to assist clients in determining the best way to address potential environmental risks encountered through due diligence activities.

#### Various Clients: Phase I ESAs for Solar Development—New York, Pennsylvania, Virginia, North Carolina

Completed numerous Phase I ESAs for renewable energy companies in anticipation of planned development with solar arrays. These projects have been completed on large-scale industrial facilities, closed landfills, and large agricultural and wooded properties ranging in size from 10 to several thousand acres in size. These projects have included the completion of site visits encompassing multiple field staff/days, the completion of multiple interviews, and the review of extensive historical and regulatory records based on the size of the properties.

#### Commercial Banking Client: Canisius College Phase I ESA— Buffalo NY

Completed a portfolio of Phase I ESAs for the college campus

located in the City of Buffalo. These reports included extensive site visits encompassing multiple campus buildings and spanning several days along with the completion of historical and regulatory research and completion of interviews to assess the overall environmental risk of large portions of the campus. Individual reports were grouped based on the nature of the structures (i.e. student housing, academic buildings, recreational facilities) and included several structures/areas of the greater college campus.

#### Mohawk Valley EDGE: 107 River Street Phase I ESA— Oriskany, NY

Completed a Phase I ESA of this property under a USEPA Brownfield Assessment Grant. The LaBella team is providing services needed to manage the USEPA grant and perform all site assessment and characterization,



planning, marketing, and community outreach that is required under the agreement. Under the agreement, LaBella provided Phase I ESAs, Phase II ESAs, and Regulated Building Material (RBM) services at former industrial properties.

The Phase I ESA was completed on an approximately 500,000 square foot industrial building used industrially since the early 1800s including a woolen mill and felt mill that included wash and dye operations. As part of this report, LaBella reviewed documentation associated with previous underground storage tank removals along with records associated with adjacent properties to assess the potential for contaminant migration onto the Subject Property.

**Niagara County Department of Economic Development: Phase I ESAs—Niagara County, NY**

Completed numerous Phase I ESAs under a USEPA Brownfield Assessment Grant. LaBella is conducting Phase I ESAs, Phase II ESAs, and RBM services at various commercial and industrial properties as part of this grant.

The Phase I ESAs have included the assessment of historical gasoline stations, dry cleaners, landfills, train stations, and other environmentally sensitive industries, and have included initial radiological surveys to screen the surfaces of the Sites for elevated levels of gamma radiation to identify the potential presence of Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM). LaBella's Phase I ESAs included analysis of potential environmental risk along with recommendations for further investigation; these reports have

been approved by the USEPA.

**Home Leasing LLC, Phase I ESA: 201 Fall Street, Seneca Falls, NY**

Dave oversaw the completion of and completed the technical review of this Phase I ESA performed on a property that historically included manufacturing, printing, gasoline station, automotive repair, and dry cleaning operations. As part of this study, documentation associated with the removal of former on-site underground storage tanks and a subsurface investigation to assess on-site impact due to former on-site tanks, in-ground hydraulic lifts, and nearby properties of environmental concern was reviewed in order to determine the overall remaining environmental risk associated with the site.

**Home Leasing LLC, Phase I ESA: West Main Street and West Everett, Falconer, NY**

Dave oversaw the completion of and completed the technical review of this Phase I ESA performed on a property historically including printing and plating operations. Previous subsurface investigation reports, along with a recorded soil and groundwater management plan were reviewed to ensure that investigation activities had sufficiently assessed the potential for impact associated with the former operations and to ensure that the management plant would sufficiently guide the proper handling of any materials encountered during site redevelopment activities.

**Conifer, Phase I ESA: 4301 Watson Boulevard, Johnson City, NY**

Mr. Crandall oversaw the completion of and completed

the technical review of this Phase I ESA performed on a portion of a golf course that was slated for renovation for residential use. This study included the completion of a site visit with local law enforcement due to potential safety concerns associated with the abandoned nature of the property and unsafe building conditions.

**Environmental Due Diligence**

Mr. Crandall has extensive experience in Environmental Due Diligence, having been involved in over 10,000 due diligence projects including Phase I Environmental Site Assessments, Transaction Screens, Records Search with Risk Assessments (RSRAs) and other desktop reports. Dave has also been involved with the peer review of reports completed by other consultants to ensure compliance with applicable standards and to assist commercial banks with assessing overall environmental risk.

In David's previous roles, he was responsible for the oversight of a group of approximately 15 technical writers and senior reviews/Environmental Professionals who, along with a team of field staff/inspectors completed over 7,000 due diligence projects per year for private, attorney, municipal, and commercial banking clients including several thousand Phase I ESAs and Transaction Screens per year. David was responsible for overall QA/QC of reports and ensuring that reports met applicable standards/criteria. In addition, he would assist with client discussions of concerns and help to develop scopes of work for Phase II Environmental

## DAVID CRANDALL

Site Assessments or assist in determining alternatives to addressing potential environmental risk.

Prior to that time, Mr. Crandall worked as an Environmental Scientist for an international consulting firm that worked primarily on remedial investigations and feasibility studies for State and Federal clients. In this role, he served as Site Manager and was responsible for work plan development and investigation scoping, soliciting bids from subcontractors, oversight of field investigation activities/staff, and completions of summary reports.



## Previous Reports

**EPA Superfund  
Explanation of Significant Differences:**

**TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT  
OF ILLINOIS, INC.  
EPA ID: ILD048306138  
OU 00  
SOUTH ELGIN, IL  
07/14/1999**




**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF: SR-6J

**MEMORANDUM**

**DATE:** September 27, 1999

**SUBJECT:** **Explanation of Significant Differences (ESD)**  
Tri-County/Elgin Landfills Superfund Site  
St. Charles Township, Kane County, Illinois  
CERCLIS ID# ILD 048 306 138, Site Spill ID# 052G

**FROM:** John J. O'Grady (SR-6J)  
Remedial Project Manager  
Superfund Division 

**TO:** ROD CLEARINGHOUSE

Attached please find a hard-copy of the ESD for the Tri-County/Elgin landfills Superfund Site that was signed on July 14, 1999.

If you have any questions, please contact me at your earliest convenience.

Sincerely,

John J. O'Grady (SR-6J)  
Remedial Project Manager  
Superfund Division  
U.S. EPA Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Telephone: (312) 886-1477  
Facsimile: (312) 886-4071  
E-Mail: ogrady.johnj@epa.gov



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF SR-6J

**EXPLANATION OF SIGNIFICANT DIFFERENCES**

TRI-COUNTY-ELGIN LANDFILLS SUPERFUND SITE  
ST. CHARLES TOWNSHIP, KANE COUNTY, ILLINOIS

**I. Introduction**

The Tri-County/Elgin Landfills Superfund Site (the Site) encompasses both the Tri-County and Elgin Landfills. The Site is located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage Counties. The Tri-County Landfill, an inactive landfill of 463 acres, the 16.2-acre Elgin Landfill, and the Elgin-Wayne Property of 4.0 acres, are located 2/3 of a mile southeast of the Village of South Elgin, St. Charles Township, Kane County, Illinois.

Response actions at the Site are being taken under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The lead and support regulatory agencies for the Site are the United States Environmental Protection Agency (U.S. EPA) and the Illinois Environmental Protection Agency (Illinois EPA), respectively.

Section 117(c) of CERCLA and Section 300.435(c)(2)(i) of the NCP establish procedures for explaining, documenting, and informing the public of significant changes to the remedy that occur after the Record of Decision (ROD) is signed. An Explanation of Significant Differences (ESD) is required when the remedial action to be taken differs from the remedy selected in the ROD but does not fundamentally alter the scope, performance, or cost of the remedy. Generally, an ESD is prompted when significant new information becomes available during or after the public comment period for the ROD. In the case of the Site, this information was provided in a pre-design investigation report which was developed under an Administrative Order on Consent (AOC), the final (100%) remedial design (RD) approved on September 30, 1997, a revision to the approved final RD Report, dated March 1999, and the final remedial action Work Plan approved on May 25, 1999.

This ESD and supporting documents are a part of the Administrative Record file which is available for viewing at the Gail Borden Public Library, Elgin, Illinois, and the U.S. EPA

*Final Version; July 13, 1999*

*J. O'Grady*

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

Regional Offices in Chicago, Illinois, during normal business hours. Notice of availability of this ESD and supporting documents will be published in a local newspaper of general circulation. The public is encouraged to review the updated Administrative Record to better understand the U.S. EPA's rationale for changing the selected remedy.

### **II. Site History**

The Site includes two adjacent landfills, the Tri-County Landfill and the Elgin Landfill, respectively. While the two landfills supposedly had separate operations, historical aerial photographs indicate that the two disposal operations overlapped, to the point where the two landfills were indistinguishable. A short history for each landfill is provided below.

#### **Tri-County Landfill**

Prior to the 1940's, the Tri-County Landfill site was part of a gravel mining operation. Waste disposal at the Tri-County Landfill reportedly began in April 1968 and continued until December 1976. The Elgin-Wayne Disposal Company had initiated disposal operations at the landfill under a disposal permit issued by Kane County. During the period from 1968 to 1972, operations at the Tri-County Landfill were managed by the Elgin-Wayne Disposal Company. In 1970, the Tri-County Landfill Company (the actual owner of the property on record) was issued a permit by the Illinois Department of Health to operate the site as a solid waste disposal landfill (Permit 1970-DS-43).

The Tri-County Landfill Company was issued an operational solid waste disposal permit by the Illinois EPA in 1975 (Permit 1975-24-OP) and a supplemental pennit was issued by the Illinois EPA in 1976 (Supplemental Permit 1976/409). However, site operations continued under the management of the Elgin-Wayne Disposal Company until 1976.

The Kane County Building and Zoning Permit, originally issued in 1970, stated that landfilling was to occur in trenches. However, inspection records on file at the Illinois EPA cite open dumping at the landfill and that the "area" method of landfilling was occasionally used. Background data suggests that waste was disposed of directly into the abandoned gravel quarry. Most of the dumping of liquid and industrial waste reportedly occurred at the Tri-County Landfill during the interval from 1968 to 1974,

Although the landfill operations ceased in December of 1976, the existing cover was not emplaced until early 1981. Correspondence from the Illinois EPA to Waste Management of Illinois, Inc., (WMI) on April 14, 1981, indicated that the landfill had been satisfactorily closed and covered. The State did caution WMI that if problems relating to leachate, surface drainage or erosion were to develop in the future, they should be promptly corrected. Additional correspondence from the State of Illinois to WMI through the end of 1981 cites erosion, ponding, and leachate problems occurring at the Tri-County Landfill.

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

### **Elgin Landfill**

Like the Tri-County Landfill, the Elgin Landfill property was the site of a sand and gravel mining business that was operated by the Material Service Company until the late 1950's. Waste disposal operations began in 1961 under the name of the Elgin Landfill Company. No formal method of waste disposal was employed at the site and it appears that irregular areas were excavated, filled with waste, and eventually covered. The Elgin Landfill originally operated under a permit issued by Kane County in 1961.

Records detailing the amount and type of waste disposed report that residential and commercial rubbish, industrial waste and incinerator ash were disposed of at the landfill from 1961-1976.

### **Land Use**

Most of the residential properties in the vicinity of the Site are located in the Village of South Elgin, approximately 2/3 of a mile west of the Site, west of the Woodland Landfill. The residences nearest the Site are located along Dunham and Steams Roads approximately 1,000 feet southeast of the Site. A farm house is located approximately 1,200 feet north of the Site. Other residences, most of which are single-family dwellings, are scattered throughout the area surrounding the Site. Many of the homes and businesses in the area of the landfills rely on their own private wells to provide drinking water and water for general use. Several businesses operate on the Elgin portion of the Site, using water from wells that penetrate the landfill. These businesses are currently advised against potable use of their wells.

On the west and southwest boundaries, the Site properties are enclosed by the Prairie Path, which is a former railroad right of way converted into a public bicycle and footpath. The east and southeast Site boundary is bordered by Route 25, along which several commercial businesses are located. The northern property boundary of the Elgin Landfill is bordered by agricultural land. The land surrounding the Site to the north and to the east is used predominantly for agriculture. The land to the west of the Site is occupied by the Woodland Landfill. The Woodland Landfill is an active sanitary landfill which has accepted municipal and selected special wastes since 1976.

Surface water features in the area surrounding the Site include the Fox River, Brewster Creek, an unnamed tributary to Brewster Creek, and their associated wetlands. The Fox River is located approximately one mile to the west of the Site. Brewster Creek is a small, east to west flowing stream located 1/2-mile south of the Site. The unnamed tributary to Brewster Creek flows toward the Site from the east, by-passes the site on the south side, and continues to flow south to discharge into Brewster Creek, which flows west into the Fox River.

### **III. Site Enforcement Activities and the Record of Decision**

In May 1971, the Elgin Jaycees, with the support of the Village of South Elgin and village residents, filed a complaint with the Illinois Pollution Control Board (IPCB). This complaint



## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

named the Tri-County Landfill Company and Elgin Landfill Company as respondents. The IPCB complaint was initiated because of suspected surface water and ground water contamination.

On April 12, 1973, the IPCB ordered the respondents to “cease and desist the causing of water pollution and the threat of water pollution on their respective sites,” and to pay specified penalties and post bonds. State records indicate that several lawsuits and appeals ensued involving both landfills subsequent to the IPCB decision, and that the landfills continued to operate during the pendency of the litigation.

The Site was placed on the National Priorities List (NPL) of Superfund sites in March, 1989. The U.S. EPA conducted a Remedial Investigation (RI) and Feasibility Study (FS) from 1988 to 1992 to define the nature and extent of contamination and evaluate alternatives for Site cleanup. The RI identified contamination in soil, sediment, and ground water, and determined that a primary pathway for the contaminants to migrate off-site was through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and then transporting them to ground water and surface water by surface and subsurface flow. On September 30, 1992, the U.S. EPA signed a ROD selecting a remedy for the Site with the concurrence of the Illinois EPA.

The major components of the 1992 ROD include:

- < excavation and consolidation under the landfill cap of contaminated sediments that exceed background;
- < construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and RCRA Subtitle D cover requirements, as applicable;
- < collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-site, low-level ground water contamination, to ultimately comply with drinking water or health-based standards in all ground water outside of the waste boundaries;
- < active collection and treatment of landfill gases,
- < comprehensive monitoring program to ensure the effectiveness of the remedy;
- < institutional controls to limit land and groundwater use; and
- < provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the ground water response component.

The estimated present worth of this remedy, as documented in the ROD, is \$12,624,000, with the ground water component accounting for \$3,000,000 of that cost.

The June 25, 1996, modification to the cleanup plan (an ESD) deferred implementation of the ground water component. This allowed for a period of observation to see how effective the other

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

components alone could be in reducing ground water contamination migration. Depending on long-term monitoring results, the ground water component may be constructed or deleted from the remedy.

An AOC for RD was signed on February 2, 1994, with two potentially responsible parties (PRPs), WMI and Browning Ferris Industries of Illinois, Inc. (BFI). The AOC refined certain design elements of the landfill cap and set specific performance standards for the barrier layer. It also provided some design flexibility to ensure that performance standards were met. Under the AOC, the Respondents conducted and reported to the U.S. EPA on a pre-design investigation (PDI), and then completed the RD. The purpose of the PDI was to acquire needed design parameters, determine background levels for soil and sediments, confirm hydrogeologic conditions, determine an appropriate period of attenuation for the off-site ground water, and ensure through sampling that residential wells were not being affected by the Site.

Negotiations for a remedial action consent decree ended in September, 1998. On September 24, 1998, a Unilateral Administrative Order (UAO) for remedial action was then issued to WMI, and the Tri-County Landfill Company. An additional UAO was issued to BFI on November 19, 1998. The Remedial Action Work Plan was approved, and the Notice of Authorization to Proceed with the Remedial Action was transmitted to the Respondents, on May 25, 1999. The RA is expected to be completed by Fall 2000. However, because of the deferred ground water component, this Site may not qualify as a construction completion until the ground water component is either constructed or eliminated. The Preconstruction Inspection and Meeting was conducted on June 9, 1999.

A *de minimis* settlement was offered to over 400 companies, of which 125 companies signed up for a settlement worth approximately \$2.1-million. The *de minimis* settlement was finalized on June 11, 1999.

For more details of the RI/FS, ROD, and AOC, please refer to the Administrative Record.

### **IV. Description of and Basis for Significant Differences**

Background information on the Site, and its operating and regulatory histories, is contained in the RI Report prepared by WW Engineering & Science (1992), for the U.S. EPA. The PDI Report was prepared by Montgomery Watson (1996) for WMI and BFI and provided additional Site information to further support the RD. The Final (100% Complete) RD Report was prepared by Montgomery Watson (1997) for WMI and BFI. The U.S. EPA issued approval of the Final RD Report on September 30, 1997. The U.S. EPA issued two previous ESDs to the September 30, 1992, ROD: (1) The first, dated June 25, 1996, deferred the decision to install the groundwater treatment remedy for a period of 5 years after completion of the landfill cover construction; and

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

(2) The second, dated April 23 1998, concerned a change in the landfill cover configuration from the original ROD.

A revision to the approved Final (100 % Complete) Remedial Design Report, dated March 1999, was submitted by Montgomery Watson on behalf of WMI. The purpose of the revised RD is to install a high strength, low-permeability ( $1 \times 10^{-8}$  cm/sec) asphalt cover, which replaces the previously approved asphalt layer, the geosynthetics, and 18 inches of the general fill layer over the geosynthetics. The revised asphalt cap which is to be installed only on the Elgin Landfill property and the Elgin-Wayne property will consists of two discrete layers. The first layer will be a variable thickness base layer, which will be used to develop the design slopes for positive drainage. This layer will be, at a minimum, 20 inches thick and will be compacted to a minimum of 90% of the modified Proctor maximum dry density or equivalent. The U.S. EPA allows that much of the existing surface may be compacted better than 90% of modified Proctor now from all of the years of traffic loading. Therefore, the Respondents and their contractors could trench and test the existing surface to determine the structural properties of the existing surface material. A design document would have to be submitted and approved in order to allow for any deviation from the 20" layer. The final layer will be a 4-inch thick combined modified asphalt binder and modified asphalt surface course of specially produced high-strength, low-permeability asphalt.

The rationale for modifying the remedy for this portion of the Site include the following: (1) the remedy is less intrusive to install which reduces the disruption to existing businesses during construction; (2) the remedy allows for the continued use of the Elgin Landfill and the Elgin-Wayne properties for container storage, parking, and other non-intrusive beneficial uses; (3) the remedy is more cost effective; (4) the  $1 \times 10^{-8}$  cm/sec permeability of the remedy will ensure that the new remedy will be as protective, if not more protective, than the alternative selected in the ROD; and (5) the design will incorporate a lysimeter that will definitively measure seepage that might occur through the low-permeability asphalt cap, alerting the U.S. EPA, the Illinois EPA, and the Respondents to the need for repair or reevaluation of the remedy.

Once this ESD is signed and placed in the Site Administrative Record, a further revision to the revised Remedial Design (dated March 1999) must be submitted for review and approval by the U.S. EPA, in consultation with the Illinois EPA. Among other issues that must be addressed in the revised RD are: (1) pavement design; (2) lysimeter location and design; (3) installation specifications; (4) results and conclusions from trenching/testing the existing surface for thickness, compaction, and suitability as a base layer for the asphalt surface; and (5) the maintenance plan.

The final grades for the Elgin Landfill property slope from the west towards the east at slopes varying from 2% to 3%. The Elgin-Wayne property slopes toward the southeast portion of that property at a 1% slope. The Elgin-Wayne property will drain to the southeast corner of its property. Since the majority of the property will be capped with the revised asphalt cap that will

## **EXPLANATION OF SIGNIFICANT DIFFERENCES (Continued)**

have trucks parked on it, it will be necessary to separate the oil and grit from the stormwater prior to discharging the water to the surface water system. The Elgin Landfill property will drain towards the east. A swale near the center of the Elgin landfill property will divert some of the surface water into the series of swales on the Tri-County Landfill property and towards the southern end of the site. The eastern portion of the Elgin Landfill property will drain toward the existing drainage swales along Highway 25. The remainder of the Tri-County Landfill property will drain towards the south side of the property and the infiltration basin.

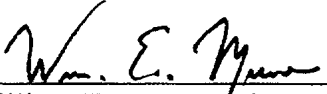
The existing water supply well and septic system on the Elgin-Wayne property will be abandoned. A replacement water supply well will be installed on the Elgin-Wayne property and will be either be installed outside the limits of waste or will be cased through the waste. A new septic system, likely consisting of a holding tank, will be installed for the Elgin-Wayne property.

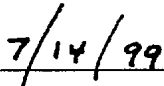
### **V. Support Agency Comments**

The Illinois EPA supports the change.

### **V1. Affirmation of Statutory Determinations**

Considering the new information that has been developed and the changes that have been made to the selected remedy, the statutory determinations made in the ROD are still valid for the ESD.

  
\_\_\_\_\_  
William E. Munro, Director  
Superfund Division

  
\_\_\_\_\_  
Date

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REMEDIAL ACTION

ADMINISTRATIVE RECORD  
FOR  
TRI-COUNTY/ELGIN LANDFILLS SITE  
ELGIN, KANE COUNTY, ILLINOIS

UPDATE #6  
EXPLANATION OF SIGNIFICANT DIFFERENCES

JULY 13, 1999

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
1	03/00/99	Montgomery Watson/Waste Management, Inc.	U.S. EPA	Remedial Action Work Plan for the Tri-County/ Elgin Landfills Site w/Attached Cover Letter	289
2	03/19/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Revised Final (100%) Remedial Design Report For the Tri-County/ Elgin Landfills Site w/Attached Cover Letter	56
3	04/05/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: Designation of Earth Tech, Inc. as Supervising Contractor for the Remedial Action at the Tri-County/Elgin Landfills Site	1
4	04/22/99	Asphalt Institute	U.S. EPA	Nine Articles from the Asphalt Institute and <i>Asphalt Magazine</i>	31
5	04/23/99	O'Grady, J., U.S. EPA	Leibrock, M., Waste Management, Inc.	Letter re: U.S. EPA's Comments on the Remedial Action Work Plan for the Tri-County/Elgin Landfills Site	5
6	05/14/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: WM's Response to U.S. EPA's April 23, 1999 Comments on the Remedial Action Work Plan for the Tri-County/Elgin Landfills Site	2
7	05/24/99	Leibrock, M., Waste Management, Inc.	O'Grady, J., U.S. EPA	Letter re: Construction Contractors for the Source Control Remedial Action at the Tri-County/Elgin Land- fills Site	1

<u>NO.</u>	<u>DATE</u>	<u>AUTHOR</u>	<u>RECIPIENT</u>	<u>TITLE/DESCRIPTION</u>	<u>PAGES</u>
8	05/25/99	O'Grady, J., U.S. EPA	Leibrock, M., Waste Management, Inc.	Letter re: U.S. EPA's Approval of the Remedial Action Work Plan and Notice of Authorization to Proceed with the Remedial Action at the Tri-County/Elgin Landfills Site	1
9	06/04/99	O'Grady, J., U.S. EPA	Miller, M., Browning- Ferris Industries	Letter re: U.S. EPA's Consideration of an Explanation of Signi- ficant Differences for the Landfill Cap Profile on the Elgin Landfill and Elgin-Wayne Portions of the Tri-County/Elgin Landfills Site	2
10	06/09/99	Dowden, J., Waste Management Inc.	O'Grady, J., U.S. EPA	Letter re: WM's Desig- nated Project Coordinator for the Tri-County/Elgin Landfills Site	1
11	07/02/99	Wilder Construction Company	U.S. EPA	Various Articles re: <b>MatCon</b> (Modified Asphalt Technology for Waste Containment)	50
12	07/08/99	Herring , G., U.S. Army Corps of Engineers/ Omaha District	O'Grady, J., U.S. EPA	Hydrologic Evaluation of Landfill Performance (HELP) Model Run for the MATCOM material at the Tri-County/Elgin Landfills Site	23
13	07/12/99	O'Grady, J., U.S. EPA	Dowden, J., Waste Management Inc. Miller, M., Browning- Ferris Industries	Letter re: Explanation of Significant Differences for the Landfill Cap Profile on the Elgin Land- fill and Elgin-Wayne Portions of the Tri-County/ Elgin Landfills Site	2
14	00/00/00	IEPA	U.S. EPA	Letter: IEPA's Concur- rence with the Explanation of Significant Differences for the Tri-County/Elgin Landfills Site ( <b>PENDING</b> )	



<b><u>NO.</u></b>	<b><u>DATE</u></b>	<b><u>AUTHOR</u></b>	<b><u>RECIPIENT</u></b>	<b><u>TITLE/DESCRIPTION</u></b>	<b><u>PAGES</u></b>
15	00/00/00	U.S. EPA	Public	Explanation of Significant Differences for the Tri-County/Elgin Landfills Site ( <b>Pending</b> )	

**FOURTH FIVE-YEAR REVIEW REPORT FOR  
TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.  
SUPERFUND SITE  
KANE COUNTY, ILLINOIS**



**Prepared by**

**U.S. Environmental Protection Agency  
Region 5  
Chicago, Illinois**

9/11/2019

**X** 

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Douglas Ballotti, Director  
Superfund & Emergency Management Divisi...  
Signed by: DOUGLAS BALLOTTI

## TABLE OF CONTENTS

	<u>Page</u>
LIST OF ABBREVIATIONS & ACRONYMS .....	3
I. INTRODUCTION .....	4
FIVE-YEAR REVIEW SUMMARY FORM .....	6
II. RESPONSE ACTION SUMMARY .....	6
Basis for Taking Action .....	6
Response Actions .....	8
Status of Implementation .....	10
Institutional Controls .....	13
System Operations/Operation and Maintenance (O&M) .....	19
III. PROGRESS SINCE LAST FIVE-YEAR REVIEW .....	20
IV. FIVE-YEAR REVIEW PROCESS .....	22
Community Notification and Involvement .....	22
Data Review .....	23
Site Inspection .....	24
V. TECHNICAL ASSESSMENT .....	24
Question A: Is the remedy functioning as required by decision documents? .....	24
Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used for the remedy selection still valid? .....	25
Question C: Has any other information come to light that could call into question the protectiveness of the remedy? .....	26
VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS .....	26
VII. PROTECTIVENESS STATEMENT(S) .....	27
VIII. NEXT REVIEW .....	28
APPENDIX A: REFERENCE LIST	
APPENDIX B: FIGURES AND TABLES	

## LIST OF ABBREVIATIONS & ACRONYMS

AOC	Administrative Order on Consent
ARARs	Applicable or Relevant and Appropriate Requirements
AWI	Allied Waste Industries, Inc. (formerly BFI)
BFI	Browning Ferris Industries of North America, Inc.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
HDPE	High Density Polyethylene
ICs	Institutional Controls
ICIAP	Institutional Controls Implementation and Assurance Plan
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
LFG	Landfill Gas
MCL	Maximum Contaminant Level
mg/kg	milligrams per kilogram, or parts per million
NCP	National Contingency Plan
NPL	National Priorities List
O.U.	Operable Unit
O&M	Operation and Maintenance
PCOR	Preliminary Closeout Report
ppb	parts per billion
ppm	parts per million
PRP	Potentially Responsible Party
RA	Remedial Action
RAO	Remedial Action Objective
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RDF	Recycling Disposal Facility
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RSI	Republic Services Inc. (formerly AWI, formerly BFI)
Site	Tri-County Landfill Co./Waste Management of Illinois, Inc. ("Tri-County/Elgin Landfills") Superfund Site
SWRAU	Sitewide Ready for Anticipated Use
TBC	To-Be-Considered
The State	The State of Illinois
TDS	Total Dissolved Solids
UAO	Unilateral Administrative Order
ug/L	micrograms per liter, or parts per billion
VOC	Volatile Organic Compound
WMIL	Waste Management of Illinois, Inc.

## **I. INTRODUCTION**

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in FYR reports such as this one. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

The United States Environmental Protection Agency (EPA) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121 and the National Contingency Plan (NCP) (40 CFR Section 300.430(f)(4)(ii)), as well as with consideration of relevant EPA policies.

This is the fourth FYR for the Tri-County Landfill Co./Waste Management of Illinois, Inc. ("Tri-County/Elgin Landfills") Superfund Site (Site) located in Elgin, Kane County, Illinois. The triggering action for this statutory review is the completion of the third FYR on July 3, 2014. The FYR has been prepared because hazardous substances, pollutants, or contaminants remain at the Site above levels that allow for unlimited use and unrestricted exposure (UU/UE).

The Tri-County/Elgin Landfills Site is comprised of 46- and 20-acre adjacent landfills that accepted municipal, commercial and industrial wastes. The remedy was implemented under one Site-wide Operable Unit (O.U.), O.U. #1. The Site was subsequently divided into two O.U.s for administrative and cost tracking reasons to reflect the two parties implementing the remedy. O.U. #2 is the Tri-County Landfill (south) portion of the Site, and O.U. #3 is the Elgin Landfill (north) portion, both addressed in this FYR. Remedies for both O.U.s have been implemented and are operated and maintained as one consolidated remedy. Landfill Gas (LFG) collection (subsequently replaced with passive venting as a result of reduced landfill gas), storm run-off control systems, landfill caps, and long-term groundwater monitoring have been installed on Site and remain in operation.

The Tri-County/Elgin Landfills Superfund Site FYR was led by John V. Fagiolo, EPA Remedial Project Manager (RPM). Participants included Christopher Peters, Site Coordinator for the Illinois Environmental Protection Agency (IEPA), and representatives of the Potentially Responsible Parties (PRPs). The PRPs are implementing the remedy under Unilateral Administrative Orders (UAOs) and IEPA is involved as the support agency. IEPA has provided input to EPA during the FYR process. The FYR review began on October 9, 2018, with document compilation and data review, followed by a November 7, 2018 Site walkthrough and verbal notification to the PRPs. Notification letters were sent to the PRPs and IEPA on November 30, 2018.

### **Site Background**

The Tri-County/Elgin Landfills Site encompasses both the Tri-County and Elgin Landfills and is located in the West 1/2 of the NE 1/4 of Section 1, T40N, R8E, St. Charles Township, Kane County, Illinois. The Site is generally located at 7N 500 Illinois Route 25, near the triple junction of Kane, Cook, and DuPage counties. The Tri-County Landfill consists of approximately 46

acres and is an inactive landfill located approximately 2/3 of a mile southeast of the Village of South Elgin. The Elgin Landfill is approximately 20 acres and is located immediately adjacent to the northern boundary of the Tri-County Landfill. Route 25 bounds the east and southeast sides of the Site, along which are located several commercial businesses. The property adjacent to the north boundary of the Elgin Landfill is controlled under the jurisdiction of the Illinois Department of Natural Resources (IDNR), as is the property immediately east of the Site on the other side of Route 25. The WMIL Woodland Recycling Disposal Facility (RDF) occupies the land west of the Site and contains a former sanitary landfill. The landfill at the Woodland RDF was closed in November 2002 but still has operating landfill gas collection and flare systems.

Surface water features in the area surrounding the Site include the Fox River, Brewster Creek, an unnamed tributary to Brewster Creek, and their associated wetlands. The Fox River is located approximately one mile to the west of the Site. Brewster Creek is a small, east-to-west flowing stream located 1/2 of a mile south of the Site. The unnamed tributary to the Brewster Creek flows toward the Site from the east, bypasses the Site on the south side, and continues to flow south to discharge into Brewster Creek, which flows west into the Fox River.

Land surrounding the Site to the north and to the east is used predominantly as a nature preserve. Most of the residential properties in the vicinity of the Tri-County and Elgin Landfills are located in the Village of South Elgin, approximately 2/3 of a mile west of the Site, west of the Woodland RDF. Residences were located along Dunham and Stearns Roads approximately 1000 feet southeast of the Site, but they have recently been purchased and removed by the State of Illinois as part of the Stearns Road Bridge Corridor construction project. The private residences that are now the nearest to the Site are no closer than approximately 1/2 mile away to the northeast. Many of the businesses in the area of the landfills rely on their own private wells to provide drinking water and water for general use. Monitoring data since 2002 has confirmed the absence of unacceptable contaminants in off-Site groundwater. The ARC Disposal property immediately to the south of the Tri-County portion of the Site has been acquired by RSI (BFI) and since the 2014 FYR is being used only for equipment and vehicle storage.

The landfills operated as solid waste disposal facilities until 1976. Most of the improper waste disposal reportedly occurred at the Tri-County Landfill during the interval from 1968 to 1974. Although landfill operations ceased in December of 1976, the existing cover was not put in place until early 1981. Correspondence from IEPA to WMIL on April 14, 1981, indicated that the landfill had been satisfactorily closed and covered. Records detailing the amount and type of waste disposed in the Elgin Landfill either did not exist or were not available. Residential and commercial rubbish, industrial waste, and incinerator ash were disposed of at the Elgin landfill from 1961-1976.



## Five-Year Review Summary Form

SITE IDENTIFICATION		
<b>Site Name:</b> Tri-County Landfill Co./Waste Management of Illinois, Inc.		
<b>EPA ID:</b> ILD 048 306 138		
<b>Region:</b> 5	<b>State:</b> IL	<b>City/County:</b> City of Elgin, Kane County
SITE STATUS		
<b>NPL Status:</b> Final		
<b>Multiple OUs?</b> Yes.	<b>Has the Site achieved construction completion?</b> Yes. Preliminary Closeout Report Date: Nov. 1, 2001	
REVIEW STATUS		
<b>Lead agency:</b> EPA		
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<b>Author affiliation:</b> EPA		
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<b>Triggering action date:</b> July 3, 2014		
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## II. RESPONSE ACTION SUMMARY

### Basis for Taking Action

On June 26, 1987, the PRPs were notified in writing of the opportunity to conduct a Remedial Investigation/Feasibility Study (RI/FS) under EPA supervision. RI/FS negotiations ended in February 1988, without an agreement having been reached with the PRPs. The Site was placed on the NPL under CERCLA on March 31, 1989.

EPA conducted a RI/FS at the Site from April 1988 through July 1992 to define the nature and extent of contamination and evaluate alternatives for the cleanup of both landfills. The RI identified contamination in soil, sediment, and groundwater, and determined that a primary pathway for the contaminants to migrate off-Site is through rain and snowmelt infiltrating through the inadequate landfill cover, leaching contaminants from the landfilled materials, and transporting them to groundwater and surface water by surface and subsurface flow. EPA completed the RI/FS Report on July 24, 1992. The final RI/FS Report was approved on September 30, 1992. On September 30, 1992, EPA signed a ROD selecting a Site remedy.

The RI identified contamination in soil, sediment, and groundwater, and also determined that a primary pathway for the contaminants to migrate off-Site was through rain and snowmelt infiltrating through the existing landfill cover, leaching contaminants from the landfilled materials and then transporting them to surface water and groundwater by surface and subsurface flow. The Baseline Risk Assessment showed that there were ten potential routes of current and future exposure:

1. Ingestion of contaminated soils;
2. Direct dermal contact with contaminated soils;
3. Ingestion of contaminated groundwater;
4. Dermal contact with contaminated groundwater during showering;
5. Inhalation of volatile contaminants from groundwater during showering;
6. Ingestion of contaminated surface water;
7. Dermal contact with contaminated surface water;
8. Ingestion of contaminated sediment;
9. Dermal contact with contaminated sediment; and,
10. Inhalation of volatilized contaminants and contaminated particulates.

The greatest carcinogenic risks for humans at the Site were associated with exposure to soils through inhalation and ingestion. For future occupational and residential populations, the greatest carcinogenic risks were associated with air and groundwater exposures. For all populations, non-carcinogenic health effects were most likely to occur from exposure to groundwater.

Ecological impacts from Site-related contamination were also evaluated. Surveys of flora and fauna populations were taken in a qualitative attempt to assess adverse impacts. These findings established some impacts to the local ecosystem. The impact was generally associated with elevated levels of zinc and mercury above established Ambient Water Quality Criterion in the surface water. The Baseline Risk Assessment concluded that all of the remedial alternatives considered in the FS, except the "No Action" alternative, to address the risks to public health would address the ecological impacts as well.

Hazardous substances that have been released at the Site in each media include:

<u>Soil</u>	<u>Groundwater</u>
Arsenic	Antimony
Beryllium	Arsenic
Benzo(a)anthracene	Barium
Benzo(a)pyrene	Chromium
Benzo(b)fluoranthene	Cobalt
Benzo(k)fluoranthene	Manganese
Chrysene	Thallium
Dibenz(a,h)anthracene	Benzene
Indeno(1,2,3-c,d)pyrene	2-Butanone
Aroclor-1242	1,2-Dichloroethene (total)
Aroclor-1254	Tetrachloroethene
	Trichloroethene

Hazardous substances that have been released at the Site in each media include:

<u>Soil</u>	<u>Groundwater</u>
<u>Sediment</u>	Vinyl Chloride
Arsenic	bis(2-Ethylhexyl)phthalate
Benzo(a)anthracene	1,4-Dichlorobenzene
Benzo(a)pyrene	
Benzo(b)fluoranthene	<u>Surface Water</u>
Benzo(k)fluoranthene	Arsenic
Chrysene	Cobalt
Dibenz(a,h)anthracene	
Indeno(1,2,3-c,d)pyrene	

Actual or threatened releases of hazardous substances from this Site, if not addressed by the response action selected in the 1992 ROD may present an imminent and substantial endangerment to public health, welfare, and/or the environment.

### Response Actions

On September 30, 1992, EPA signed a ROD selecting a remedy for the Site with the concurrence of IEPA. On February 2, 1994, EPA entered into an Administrative Order on Consent (AOC) with WMIL and BFI. Under this consent order, WMIL and BFI agreed to perform Remedial Design (RD) activities at the Site. The RD was approved by EPA on September 30, 1997. Unilateral Administrative Orders (UAOs) were issued to the PRPs on September 24, 1998 and November 3, 1999 to perform the Remedial Action (RA) and implement the response activities selected in the 1992 ROD.

Table 5 in Appendix B shows a chronology of Site events. Remedy components include:

- Excavation and consolidation under the landfill cap of contaminated sediments that exceeded background levels;
- Construction of a landfill cover in compliance with Title 35, Illinois Solid and Special Waste Management Regulations, section 807.305 and Resource Conservation and Recovery Act (RCRA) Subtitle D cover requirements, as applicable;
- Collection, treatment, and disposal of leachate and contaminated groundwater at the landfill perimeter, with natural attenuation of off-Site, low-level groundwater contamination, to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries;
- Active collection and treatment of landfill gases;
- Comprehensive monitoring program to ensure the effectiveness of the remedy;
- Institutional controls (ICs) to limit land and groundwater use; and
- Provisions for contingency measures to address new information or previously unknown problems, and flexibility on the type and timing of the groundwater response component.

Some requirements and components of the remedy selected by the 1992 ROD were modified later based on new information and events. Significant decreases in contaminants were observed

in investigation and design work. The EPA issued an Explanation of Significant Differences (ESD) on June 25, 1996, due to observed contaminant decreases. Natural processes in the surficial aquifer were acting to attenuate contamination within a short distance from the Site boundary. The EPA confirmed that no downgradient groundwater users were currently affected by contamination from the Tri-County or Elgin Landfills. New information strongly supported changing the requirement for leachate/water collection and treatment components from a remedy construction requirement to a contingency element.

On April 23, 1998, EPA issued a second ESD to reflect changes in design and construction specifications for a landfill cap. EPA determined that the modified landfill cap design (as approved in the ROD) was the best approach to meet the performance standards in the ROD and AOC for low permeability of the barrier layer. The 1992 ROD required the construction of a low-permeability clay barrier layer a minimum of 24 inches thick, covered with a layer of topsoil at least 8 inches thick. The second ESD allowed substitution of an alternative material (a 40 mil Low Density Polyethylene (LDPE) geomembrane) in place of the clay layer, and allowed a "geonet" synthetic drainage layer to be substituted for a sand or gravel drainage layer.

On July 14, 1999, a third ESD was signed that allowed for the use of a high strength, low-permeability asphalt cap for the Elgin Landfill and the Elgin-Wayne portion of the Tri-County landfill at the Site. A high strength, low-permeability ( $1 \times 10^{-8}$  cm/sec) asphalt cover was approved which replaced the originally proposed asphalt layer, geosynthetics, and 18 inches of general fill layer. The July 14, 1999 ESD also allowed the use of surface material already at the Site, if that existing material proved to be acceptably impermeable as shown by proper testing. The final layer is a 4-inch thick combined modified asphalt binder and modified asphalt surface course of specially produced, high-strength, low-permeability asphalt.

On July 3, 2001, EPA issued the fourth ESD to account for the sale of the Elgin Landfill properties to BFI by the previous landowners. This sale meant that BFI (responsible for implementing the RA on the Elgin Landfill portion of the Site) would no longer need to implement a remedy that allowed for the ongoing use of the Site by existing businesses, a condition originally required by the 1992 ROD.

Remedial Action Objectives (RAOs) were written in the 1992 FS, included in the 1992 ROD, and are as follows:

- For soils and waste material, the RAO is to prevent direct human contact and continuing impacts to groundwater through treatment and/or containment of all on-Site soils and waste material containing contaminants at unacceptable concentrations;
- For groundwater, the RAOs are: (1) to reduce the continued production of leachate caused by infiltration of precipitation and the contact of groundwater with the waste material and impacted soils; (2) to prevent the migration of groundwater and landfill leachate containing levels of contaminants above acceptable concentrations to prevent further degradation of groundwater and direct human contact; and (3) reduce the volume and toxicity of groundwater that migrates off-Site and which contains contaminants at levels above acceptable concentrations;

- For landfill gas and ambient air, the RAO is to maintain and control landfill gas emissions to the atmosphere in compliance with appropriate State and Federal regulations;
- For surface water, the RAOs are: (1) to prevent direct human contact and impacts to off-Site surface water and local groundwater through removal and treatment of on-Site surface water containing contaminants at levels above risk-based criteria; (2) to minimize the impact to the wetlands south of Tri-County Landfill resulting from remediation activities at the Site; and (3) restore impacted off-Site wetlands; and,
- For sediments, the RAO is to prevent direct human contact and impacts to groundwater through containment of all on-Site sediments containing contaminants at concentrations above unacceptable levels.

The Tri-County and Elgin Landfills portions of the Site are functionally one contiguous disposal unit but have separate ownership and operating histories. The current remedy was installed in two distinct actions implemented by WMIL and BFI (now RSI). The Tri-County landfill portion of the Site is managed as Operable Unit (O.U.) #2, and the Elgin landfill portion as O.U. #3. WMIL operated a waste transfer facility adjacent to the southeast corner of the Elgin Landfill. In 2007, WMIL discontinued transfer facility operations at the Site. From 2007 to 2012, WMIL used this area for fleet vehicle and container storage and maintenance. In 1998, to allow WMIL's continued operations, an area approximately 4 acres in size south and west of the transfer facility was paved with Modified Asphalt Technology for Waste Containment Facilities (MatCon®) pavement. A tie-in detail was developed during design of the Elgin Landfill to connect MatCon® pavement to the Elgin Landfill cover system. Since the 2014 FYR this area is being leased to a tenant that uses it for vehicle storage.

The PRPs have successfully implemented and are maintaining all components of the Site remedy. On November 1, 2001, a Preliminary Close-Out Report (PCOR) was signed. The PCOR certified that the construction of the Site remedy successfully achieved the requirements of the ROD and the Remedial Design.

### **Status of Implementation**

Elgin Landfill Final Cover System. The Elgin Landfill cover includes two cover “types”, designated as Type A and B. The Type A cover contains a smooth geomembrane, non-woven geotextile, and soil/geosynthetic cover interface with MatCon® pavement over approximately 15 acres, where typical slopes do not exceed about 5 percent. The Type B cover contains a textured geomembrane and geosynthetic composite drainage layer over 4 acres where slopes are 25 percent or steeper. Type A and B cover systems vary only with respect to geosynthetic materials used to address stability concerns on steep slopes. There are no differences in soil types and thicknesses used in Type A and B covers. From top to bottom, Type A and B cover systems consist of the following materials and layer thicknesses:

#### Type A

Topsoil (6")  
Select Fill (12")  
Geotextile  
Geomembrane (smooth)  
Random Fill (6" minimum)

#### Type B

Topsoil (6")  
Select Fill (12")  
Geosynthetic Drainage Layer  
Geomembrane (textured)  
Random Fill (6" minimum)

Tri-County Landfill Final Cover System. The Tri-County Landfill cover system includes two components, a geosynthetic cover system that covers approximately 90 percent of the Site, and an area of MatCon® pavement consisting of approximately 4 acres. From top to bottom, the geosynthetic component consists of the following: Topsoil (6"), Rooting Zone (12"), Geotextile, Geonet, and Geomembrane (smooth).

Elgin Landfill Surface Water Drainage. Surface run-off from the Elgin Landfill cover drains by gravity to two on-Site detention ponds, designated as upper and lower. These ponds are located in the southeast portion of the Site and are approximately 2.7 acres in total size. Surface water from the upper detention pond discharges to a ditch south of the former WMIL facility through a 10-inch diameter High Density Polyethylene (HDPE) dual containment pipe. The lower detention pond functions to collect and detain surface run-off from the east and northeast areas of the Site. Surface water which collects in the lower pond is discharged to a ditch along the west side of Illinois Route (Highway) 25. The ponds were designed such that their discharge does not exceed the capacity of this ditch. Landfill material was excavated and graded within the Elgin landfill property boundary to avoid adverse impacts to surface water drainage. Landfill materials that extended beyond property boundaries on the north and east sides of the Site were relocated within limits of the final landfill cover.

Tri-County Landfill Surface Water Drainage. Surface water within the Tri-County Landfill is collected in perimeter and interior drainage swales, culverts beneath WMIL Site access roads, an oil-and-grit separator, and an infiltration basin located near the southwest corner of the Site. Perimeter drainage swales function to capture and channel surface water runoff from the landfill for deposition in the infiltration basin. Drainage swales follow the Site perimeter around the west, north, and east Site boundaries.

Landfill Gas Collection System. An active LFG collection and removal system was installed in both the Elgin and Tri-County Landfills in order to address requirements in the ROD. The function of the LFG collection and removal system is to provide effective LFG migration control and to prevent physical disruption of landfill cover components resulting from gas migration. The Elgin LFG collection system is connected to the Tri-County Landfill system via two HDPE header pipes (east and west) that are connected to the gas treatment facility located near the southwest corner of the Tri-County Landfill. Up until late 2013, LFG from both landfills was treated by combustion in a flare on Site and monitored at the neighboring WMIL Woodland Recycling Disposal Facility. The LFG collection and treatment system also removes volatile organic compounds (VOCs). Figures 5 and 6 show the LFG systems at the Site. Measurement of methane occurs at a minimum quarterly.



The LFG extraction points (wells and trenches) and blower/flare station are typically monitored on a quarterly basis. Flows from the individual LFG collection points are low, generally less than 3 cubic feet per minute (cfm). At one point the total flow at the blower/flare was approximately 100 cfm. Several extraction wells are typically closed because of the low gas production. In 2012, because of this declining methane production, the PRPs requested approval to modify the LFG system to a passive venting system where each LFG extraction well would vent gas directly to the atmosphere. Site data indicated that air emissions standards could be met without flaring of LFG. It was determined that the current levels of LFG emitted by the Site without air pollution control equipment is no more than one pound per hour of any regulated air pollutant not listed as hazardous (pursuant to Section 112(b) of the Clean Air Act) and is no more than 0.1 pound per hour of any regulated air pollutant listed as hazardous (pursuant to Section 112(b) of the Clean Air Act). The results also meet requirements identified in Subtitle B of Title 35 of Illinois Administrative Code Section 201.211(a) which is the State statute equivalent to the Clean Air Act. In addition, release of LFG emissions after shutdown of the Site flare are not subject to the Prevention of Significant Deterioration (PSD) rules for carbon dioxide emissions under the Greenhouse Gas (GHG) Tailoring Rule (75 FR 315514, June 3, 2010). Calculated anthropogenic GHG emissions for the Site are 9,190 tons per year, which is below the major source threshold for modification of 75,000 tons per year (of carbon dioxide). The result of calculations for nonmethane organic compounds (NMOC) emissions is well below the applicable regulatory limit of 50 megagrams per year.

A detailed review by EPA of the chronological history of methane production and LFG control and treatment operations concluded that from 2005 to 2012, the percentage of methane in the LFG stream has gradually declined both at the locations of the wells and at the flare blower. More indicative operational information is the pressure (vacuum) induced in the LFG piping. Between 2005 and 2011, the vacuum pressure in the LFG piping was an average of -2.8 inches of water. In 2011, that level had decreased to an average of -0.6 inches of water. This indicates that to provide the same or similar intermittent removal of methane from the system, less vacuum had to be applied less frequently throughout the LFG piping. Since placement of waste at the Site stopped in 1976, this reduced generation of methane is consistent with approximately 36 years of decomposition. Further, the current low production rate of LFG does not present a combustion or explosion threat if vented to the atmosphere. The EPA approved the request to modify the LFG system to a passive venting system in January 2013.

Elgin Landfill LFG system. Nineteen LFG extraction wells are located within the Elgin Landfill. Wells are spaced approximately 200 feet apart along the west, north, and south perimeters and approximately 400 feet apart within the landfill interior. Check valves separate the Elgin and Tri-County LFG systems. The west header pipe drains to condensate knock-out/lift station KS01 on the Tri-County Landfill. The west header pipe drains to condensate knock-out/lift station KSE01 on the Elgin Landfill. In addition, to monitor for potential methane migration off-Site, five LFG monitoring probes (GPE01 through GPE05) are located around the Elgin Landfill perimeter. No methane has been detected in any of these probes since 2004.

Tri-County Landfill LFG system. Twenty-five gas extraction wells, designated GW-1 through GW-25, and three horizontal gas extraction trenches, designated GT-01 through GT-03, are located within the Tri-County Landfill. Wells are 8-inches in diameter, constructed of Schedule

80 PVC pipe. Horizontal extraction trenches are located beneath the WMIL parking lot to avoid vertical wells within the parking area. Horizontal wells consist of 6-inch diameter HDPE perforated pipe placed above gravel. Three knock-out/lift stations were installed at engineered low points of the system to collect condensate that forms as gas cools in the header pipes. To identify off-Site release of methane, four LFG monitoring probes were installed around the perimeter of the Tri-County Landfill. Condensate flows through collection piping by gravity to a condensate collection tank on the southwest side of the Site. Condensate is removed using a vacuum truck and is transported for treatment at the Fox River Water Reclamation District Wastewater Treatment Facility located approximately 3 miles away.

### **Institutional Controls**

To ensure the integrity of the RA, the 1992 ROD requires ICs to prohibit excavation of soils, construction on-Site, groundwater extraction, and any other interference with the remedy (*See* 40 C.F.R. 300.430). ICs are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect the integrity of the remedy. Compliance with ICs is required to assure long-term protectiveness for any areas which do not allow for UU/UE. Specifically, the ROD required deed restrictions to reduce the probability of direct soil contact. ICs for the Tri-County/Elgin Landfills Site are protective, effective and in good standing with the integrity of the remedy. Implemented ICs for the Site are listed in Table 1 and are further discussed below. A map showing the areas to which the ICs apply is included in Appendix B as Figure 7. The Site achieved Sitewide Ready for Anticipated Use (SWRAU) status on September 26, 2013.

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<p><u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" on Figure 7.</u></p> <p>On-Site contaminated subsurface soil.</p> <p>Multi-media landfill cap and landfill gas collection (venting) system, and ground flare (if needed).</p> <p>Property ownership: Tri-County Landfill; Elmhurst, IL</p> <p>PRPs monitor the Site to guarantee there is no disturbance of the Site cap or other remedy components, including removal of deep rooting vegetation. There is no cracking, sliding, settlement of cap or other indicators of cap breaches. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #2	<p>- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).</p> <p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented (or planned)
<p><u>Tri-County LF boundary (approx. 46 acres). Parcels "017" and "021" on Fig. 7.</u></p> <p>Groundwater that exceeds groundwater cleanup standards.</p> <p>Groundwater monitoring wells, annual sampling and analysis.</p> <p>Property ownership: Tri-County Landfill; Elmhurst, IL</p> <p>PRPs monitor groundwater at the Site to guarantee there is no extraction or other unauthorized use of groundwater. The lateral extent of the plume continues to remain stable and contaminant levels are not increasing. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #2	<p>- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 017, recorded on 2/21/13 (pursuant to UECA).</p> <p>"Illinois Environmental Covenant under Uniform Environmental Covenant Act," for Parcel 021, recorded on 2/21/13 (pursuant to UECA).</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<p><u>Elgin Landfill boundary (approx. 20 acres). Parcels 016, 024, 025 on attached Figure 7.</u></p> <p>On-Site contaminated subsurface soil.</p> <p>Multi-media landfill cap and landfill gas collection (venting) system, and ground flare (if needed).</p> <p>Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.</p> <p>PRPs monitor the Site to guarantee there is no disturbance of the Site cap or other remedy components, including removal of deep rooting vegetation. There is no cracking, sliding, settlement of cap or other indicators of cap breaches. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #3.	<p>- Restricted Land Use: All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.</p> <p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.</p>

**Table 1: Institutional Controls Summary Table**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, Illinois**

<b>Media, Engineered Controls and Areas that do not support UU/UE* for Current Conditions</b>	<b>ICs Needed</b>	<b>ICs Called for in the Decision Documents</b>	<b>Impacted Parcel(s)</b>	<b>IC Objective</b>	<b>Title of IC Instrument Implemented (or planned)</b>
<p><u>Elgin Landfill boundary (approx. 20 acres). Parcels 016, 024, 025 on attached Figure 7.</u></p> <p>Groundwater that exceeds groundwater cleanup standards.</p> <p>Groundwater monitoring wells, annual sampling and analysis.</p> <p>Property ownership: BFI (AWI, now RSI), Scottsdale, AZ.</p> <p>Site PRPs monitor groundwater at the Site to guarantee there is no extraction or other unauthorized use of groundwater. The lateral extent of the plume continues to remain stable and contaminant levels are not increasing. There is no evidence of exposure.</p>	Yes.	Yes.	O.U. #3.	<p>- Restricted groundwater use: Except as required as part of an EPA or IEPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.</p> <p>- No interference with the Remedy: Except as required as part of an EPA or IEPA approved activity and approved in writing by EPA or IEPA, any activity within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.</p>	<p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 10/10/12.</p> <p>"Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Super Fund Site," recorded on 9/25/13.</p>

## **Compliance with ICs**

The PRPs are performing the remedy maintenance, including maintenance of ICs to ensure that there is no use of the groundwater, no unacceptable use of the Site, and no installation or construction of structures, wells, or pipes. Compliance with these restrictions is necessary for the remedy to remain protective of human health and the environment. Regular O&M activity ensures that no trespassing occurs and that the land and underlying groundwater are not used in ways that are incompatible with the implemented Site remedial action. The Site is fenced with a locked gate. Consistent with the Site inspection made by EPA and IEPA, there is no current groundwater use at the Site. According to the Site inspection made by EPA and IEPA, the uses of the Site are currently consistent with these restrictions. To ensure that the ICs are effective and that long-term stewardship (LTS) procedures are in place, EPA analyzed the effectiveness of the current land use restrictions. Environmental Covenants were recorded in 2012 and 2013 to restrict future Site use. The PRPs own the properties and will continue to own the real estate for the foreseeable future. ICs will remain in place and be maintained. LTS must be ensured, including maintaining and monitoring effective ICs.

## **Long-Term Stewardship**

Long-term protectiveness at the Site requires compliance with land-use restrictions to assure the remedy continues to function as intended. LTS will ensure that the Site ICs - the Environmental Covenants - are maintained, monitored, and enforced. Although the PRPs and their representatives regularly perform IC maintenance to ensure compliance, content should be added to the Operation and Maintenance (O&M) Plan to document current LTS procedures. The LTS revision should describe at a minimum: (1) monitoring activities and schedules; (2) responsibilities for performing each task; (3) reporting requirements; and (4) a process for addressing any potential IC issues that may arise during the reporting period. The O&M revision for LTS should include the LTS components as outlined in appropriate EPA guidance<sup>1</sup>. LTS will include the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures. In conjunction with O&M reports, an LTS report should be submitted to EPA to demonstrate: that the Site was inspected to ensure no inconsistent uses have occurred; that ICs remain in place and are effective; and that any necessary contingency actions have been executed. Results of IC reviews should be provided to EPA as part of the semiannual O&M report with a certification that the ICs remain in place and are effective.

## **IC Follow-up Actions Needed**

LTS procedures in the form of a revision to the O&M plan should be completed to ensure long-term effectiveness of ICs. LTS will include the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures.

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<sup>1</sup> Institutional Controls: A Guide to Preparing Institutional Control Implementation and Assurance Plans at Contaminated Sites, OSWER 9200.0-77:  
[https://www.epa.gov/Sites/production/files/documents/iciap\\_guidance\\_final\\_-\\_12.04.2012.pdf](https://www.epa.gov/Sites/production/files/documents/iciap_guidance_final_-_12.04.2012.pdf)



In conjunction with O&M reports, an LTS report should be submitted to EPA to demonstrate: (1) the Site was inspected to ensure no inconsistent uses have occurred; (2) ICs remain in place and are effective; and (3) any necessary contingency actions have been executed. Results of IC reviews should be provided to EPA as part of the semiannual O&M report.

### **System Operations/Operation and Maintenance (O&M)**

Table 7 in Appendix B is the Site Inspection Form that describes the current state of the operating remedy. Contractors perform remedy repair, upkeep, and O&M of the passive gas vents and the landfill cover consistent with the ROD and PCOR. In accordance with the O&M plan, contractors inspect the following systems on a quarterly basis and perform routine maintenance and repairs (when necessary): fencing and gates, passive gas vents, Site monitoring wells, Site padlocks, and the landfill cap surface. Long-term maintenance of the Site landfill cap is ongoing and ensures containment of Site waste material. The minimal landfill gas that is generated is vented to the atmosphere and no unacceptable levels of landfill gas accumulate or are released beyond the Site boundary. Since the last FYR in 2014, only minor repairs were needed and made to the landfill cap, fencing, and vent piping.

Groundwater Monitoring Operations. Monitoring of groundwater on and around the Site occurs annually at 46 monitoring wells. The current monitoring program was established in 2002. EPA's review of groundwater monitoring data collected since 2013 found that Site groundwater has not changed significantly and contaminant concentrations are generally stable and have decreased somewhat in some locations. However at locations MW-38 and MW-41, there have been increases in contaminant concentrations since 2012. In these locations the contaminants consist mainly of compounds previously present in the area and documented at properties adjacent to and near the Site. The increases may be attributable to: 1) contributions from these background contaminants, 2) fluctuations in the water table or, 3) variation in seasonal precipitation amounts. Mining and quarry work near the Site have historically influenced groundwater contaminants, but no such work has occurred near these locations for decades. This observation does not affect the protectiveness of the remedy but EPA will further examine Site data and possibly require additional or more frequent sampling in these areas. Table 6 in Appendix B provides a summary of the data.

Landfill Caps. Caps on both the Tri-County and Elgin portions of the Site are inspected twice a year for signs of erosion and stressed vegetation. The cover is typically mowed on a biennial basis, or more frequently if necessary. Generally, the cover is well-vegetated, with no significant erosion. Since the installation of the remedy, no stressed vegetation has been observed at the Site. No inordinate low-growth zones have been observed since the 2014 FYR.

Landfill Gas Passive Vents. No unacceptable levels of landfill gas accumulate at the Site, or are released beyond the Site boundary. Since the 2014 FYR, no major repairs have been needed.

Remedy Costs. Current annual O&M and groundwater monitoring costs for the Tri-County/Elgin Landfills Site reflect work for operation, maintenance, repair, and management of the Site remedy systems, and for Site sampling and analysis. Average Site annual costs are within an approximate range of \$90,000 to \$130,000 but may fluctuate depending on the costs of repairs implemented throughout the year.

### III. PROGRESS SINCE THE LAST REVIEW

**Table 2: Protectiveness Determinations/Statements from the 2014 FYR**

O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
2	Short-term Protective	For the Tri-County portion (O.U. #2) of the Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment in the short term because: ICs are in place, the landfill cap and gas collection and flare/passive vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3) restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.
3	Short-term Protective	For the Elgin portion (O.U. #3) of the Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment in the short term because: ICs are in place, the landfill cap and gas collection and flare/passive vent systems are in place and operating

O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
		<p>properly; there is no evidence of a cap breach; the existing use of the Elgin Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3) restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.</p>
Sitewide	Short-term Protective	<p>For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment in the short term. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap and gas collection and flare/passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However, in order for the remedy to be protective in the long-term, the following action needs to be taken for the remedy at the Site: develop and implement an Institutional Control Implementation and Assurance Plan (or incorporate equivalent procedures and protections into the Site Operations and Maintenance Plan(s)). Long term protectiveness requires maintenance and enforcement of the effective recorded ICs. Implemented ICs contain land and groundwater use restrictions that: (1) prohibit interference with the landfill caps; (2) prohibit residential, commercial, or any other use that would allow for the continued exposure to humans of hazardous substances; and (3)</p>

O.U. #	2014 Protectiveness Determination	2014 Protectiveness Statement
		restrict use of groundwater until groundwater cleanup standards are achieved throughout the plume area.

**Table 3: Status of Recommendations from the 2014 FYR**

O.U.	Issue	Recommendations/ Follow-up Actions	Current Status	Current Implementation Status Description	Completion Date
2, 3	Documents and procedures should be developed and implemented to ensure that implemented ICs are effective and properly maintained, monitored, and enforced.	Develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).	Ongoing.	Although the PRPs or their representatives regularly perform IC maintenance and compliance, text has not yet been added to the Site O&M Plan.	

#### **IV. FIVE-YEAR REVIEW PROCESS**

##### **Community Notification and Involvement**

The Site's web page: <https://cumulis.epa.gov/supercpad/curSites/csinfo.cfm?id=0500340> was updated on May 3, 2019 to provide information on this FYR and to invite community input. A public notice was made available on the web page and is included as Figure 8 in Appendix B of this report. The notice stated that there was a FYR and invited the public to submit any comments to EPA. Except for correspondence from IEPA, no public comments regarding the FYR have been received. The results of the review and the report will be made available on the web page and at the Site information repository located at:

Gail Borden Public Library  
270 N. Grove Avenue  
Elgin, Illinois 60120

The Administrative Record may also be reviewed at the Gail Borden Public Library and:

U.S. EPA, Region 5  
Superfund Records Center, 7th Floor  
77 West Jackson Boulevard  
Chicago, Illinois 60604

## **Interviews**

From 2014 to 2019, EPA received no questions, concerns, or complaints from any members of the community surrounding the Site. Since remedy construction completion in 2001, there have been no major problems and the need has not arisen for any community involvement events. The proximity of EPA's Region 5 office to the Site facilitates EPA's availability to respond to any concerns by the local community. Therefore, no interviews with the community were conducted for this FYR. Except for correspondence from the IEPA and the PRPs, no public comments regarding the FYR have been received.

## **Data Review**

EPA reviewed recent annual groundwater monitoring data from the Site and concluded that the area of groundwater that contains contaminants continues to remain stable and there has been no new emergence of any contaminants. EPA also found that the contaminant concentrations remain relatively unchanged or are decreasing since the 2014 FYR. There are some contaminants in groundwater at concentrations above RAOs in some locations just adjacent to the Site real estate. At locations MW-38 and MW-41, there have been slight increases in contaminant concentrations since 2012. At these locations contaminants consist mainly of compounds previously present in the area and documented at properties adjacent to and near the Site. The increases may be attributable to: 1) contributions from these background contaminants, 2) fluctuations in the water table or, 3) variation in seasonal precipitation amounts. Mining and quarry work near the Site have historically influenced groundwater contaminants, but no such work has occurred near these locations for decades. This observation does not affect the protectiveness of the remedy but EPA will further examine Site data and possibly require additional or more frequent sampling in these areas. The overall extent and concentration distribution of the contaminants at the Site has not appreciably changed since 2014. Table 6 in Appendix B provides a summary of the data.

EPA reviewed recent O&M data to assess operational effectiveness of the remedy components. Contractor reports on quarterly and annual inspections and sampling events indicate that the remedy continues to be effective with no major repairs necessary. Maintenance and inspection reports and the FYR Site inspection confirmed that the landfill cap and gas vents across the Site are in good operating condition. The low amount of landfill gas occasionally generated is immediately vented. Long-term maintenance and regular inspection of the landfill cap is implemented and ensures that the remedy remains effective and contains Site waste material. No major cap maintenance or replacement for erosion or surface drainage has been needed since 2014.

## **Site Inspection**

An initial inspection was performed on November 7, 2018, and followed up with a second inspection on May 29, 2019. In attendance were John V. Fagiolo, EPA RPM, Christopher Peters of IEPA, and representatives of WMIL and RSI. The purpose of the inspection was to assess the protectiveness of the remedy. The FYR Site inspection checklist was completed using information from this inspection and is included as Table 7 in Appendix B of this report. Inspection participants walked through and around the Site and checked components of the remedy including monitoring wells. Monitoring wells appeared to be secured, undamaged, and

otherwise in good condition. The Site perimeter (fence line) was visually inspected and except for a small section where the fence had been cut by trespassers, the fence was in good condition. The PRPs assured EPA and IEPA that fence repairs would occur immediately. The Site was found to be in good condition during the inspection. There were no signs of unacceptable erosion or unacceptable discarding of materials or wastes. Site housekeeping was good and there were no signs of any vandalism or other disturbances. Fences on the north, east, south, and west sides were properly in place. Since the last FYR in 2014, EPA, IEPA, and PRP representatives have consulted by email and telephone, including annual Site visits by EPA.

## **V. TECHNICAL ASSESSMENT**

**Question A:** Is the remedy functioning as intended by the decision documents?

Yes. The remedy selected by the 1992 ROD remains functional, operational, and effective. The implemented remedy has met and maintained RAOs because the landfill cap minimizes the migration of contaminants to groundwater and prevents direct contact with, or ingestion of, contaminants in the soil or landfill waste. Groundwater monitoring data were reviewed. Indications from the data are that the landfill cap is effective in controlling contaminant input into the groundwater. The contaminant plume and concentrations continue to remain stable or are decreasing. Concentrations of some inorganic contaminants in groundwater have decreased. Table 6 provides a summary of Site groundwater data.

No Site uses inconsistent with the implemented ICs or the remedy objectives are occurring. The remedy is considered to be currently protective because there is no evidence that there is current human exposure. There is no cracking, sliding, or settlement of the cap or other indicators of cap breaches. Landfill gas does not accumulate and is successfully vented with no unacceptable levels reaching the Site boundary. No leachate seeps have been observed and there is no threat to any nearby residences or residential drinking water wells. With continued maintenance and monitoring of the Site landfill cap and passive landfill gas venting, the source area remedies contain any soil contamination and ensure that no excess human health risks develop.

ICs in the form of Environmental Covenants which prevent disturbance of the cap and prohibit use of the Site property are in place. These ICs are being maintained and help to ensure protectiveness of the remedy and prevent exposure to contaminants. Site access and use is restricted by a fence with a locked gate. PRPs or their contractors regularly check and confirm that Site security is adequate. In addition, the vehicle storage area currently leased by WMIL has tenants who may report any trespassing or other improper use of the Site property. Early Indicators of Potential Remedy Failure. No early indicators of potential remedy failure were noted during the review. Maintenance activities have been consistent with expectations, and groundwater monitoring adequately assesses any contaminants in groundwater at the Site.

Implementation of Institutional Controls and Other Measures. The 1992 ROD included measures requiring the implementation of deed/access restrictions to prevent future development of the Site and ensures the integrity of the remedial action. ICs in the form of Environmental Covenants were implemented on October 10, 2012 and September 25, 2013 to prevent development and use of land within the Site property, prevent use of groundwater on-Site, ensure the integrity of the

landfill and other components of the remedial action, and restrict any land use that will interfere with the remedial action. In addition, O&M procedures maintain and prevent disturbance of the landfill cap, landfill gas vents, and Site fencing. As the owners of the Site property, the PRPs ensure the objectives of the ICs are met.

LTS procedures in the form of a written addition to the O&M plan will be developed. Since the completion of the Environmental Covenants, LTS procedures have been implemented and ensure long-term effectiveness of ICs. LTS includes the current mechanisms and procedures undertaken to inspect and monitor compliance with the ICs as well as communications procedures. In conjunction with reports to EPA, LTS updates will be submitted to EPA to document: (1) that the Site was inspected to ensure no inconsistent uses have occurred; (2) that ICs remain in place and are effective; and (3) that any necessary contingency actions have been executed. Results of IC reviews are provided to EPA as part of regular reports.

Current Use Compatibility with Land and Groundwater Use Restriction. Any use that interferes with the landfill cap would not be protective of human health and the environment. According to Site inspections, there is no current use of the former landfill area, which has restricted access by fencing with locked gates. Recreational and natural resource preservation use on adjacent parcels does not impact the Site's former landfill areas. The landfill cap must remain in place indefinitely to prevent exposure to underlying waste. Other than vehicle storage on the Mat-Con area, the PRPs ensure that the Site property is not being used for any purpose.

**Question B:** Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy selection still valid?

Yes. The exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection are still valid. Land and groundwater use at the Site is still consistent with the assumptions used to determine where cleanup would be performed. There have been no changes in the physical conditions of the Site that would affect the protectiveness of the remedy. There have been no changes in expected land use at or near the Site, nor changes in human health exposure assumptions. There have been no changes in standards or to-be considereds (TBCs) for cleanup of Site contaminants since the 2014 FYR. Since the 2014 FYR, there have been no newly identified contaminants or unanticipated toxic byproducts. Toxicity information and risk assessment methodologies used in the Site's remedy decision have not changed.

Changes in Standards and TBCs. Standards outlined in the 1992 ROD are still valid at the Tri-County/Elgin Landfills Site and Site ICs remain effective. Standards, ARARs and/or TBCs were the basis for the Site cleanup goals. No new information has called into question the remedy cleanup goals. ARARs that were identified in the ROD have been met and maintained. As discussed in the 2014 FYR, the action level for arsenic for the Site was adjusted to 10 ppb. However since the 2014 FYR there have been no exceedances of this standard. There have been no other changes in these ARARs and no new standards or TBCs that may affect the protectiveness of the remedy.

Changes in Exposure Pathways. No changes in the Site conditions that affect exposure pathways were identified as part of the FYR. There are no current or known planned changes in the Site



land use. The groundwater monitoring program adequately assesses the Site groundwater plume. The exposure assumptions used to develop the Human Health Risk Assessment have not changed, and there is no new information that would support a change to these exposure assumptions.

Changes in Toxicity and Other Contaminant Characteristics. There have been no changes in the toxicity factors for the contaminants of concern that were used in the baseline risk assessment. The assumptions used in the risk assessment are considered to be conservative and reasonable in evaluating risk and developing risk-based cleanup levels.

Changes in Risk Assessment Methods. There has been no change to the standardized risk assessment methodology that could affect the protectiveness of the remedy. Risk assessment methodologies used at the Tri-County/Elgin Landfills Site since the 1992 ROD have not changed, and do not call into question the protectiveness of the remedy.

Expected Progress Towards Meeting RAOs. Remedial components put into place are successfully containing contaminants. RAOs have been met and maintained at some locations but not yet Site-wide.

**Question C:** Has any other information come to light that could call into question the protectiveness of the remedy?

No. Contaminant toxicity and exposure pathways that would affect the protectiveness of the remedy have not changed. There have been no newly identified ecological risks, nor have any natural disasters adversely impacted the Site remedy. No other events have affected the protectiveness of the remedy, and there is no other information that calls into question the short-term protectiveness of the remedy. The Site is owned and controlled by the PRPs, which ensures that the real estate remains unused.

## VI. ISSUES/RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Table 4 shows recommendations and follow-up actions resulting from this FYR, as well as an approximate completion schedule.

Table 4: Issues/Recommendations	
OU(s) without Issues/Recommendations Identified in the Five-Year Review:	
None	
Issues and Recommendations Identified in the Five-Year Review:	
OU(s): 2 and	Issue Category: Institutional Controls

<b>3 (Site-wide)</b>	<b>Issue:</b> Documents and procedures should be developed and implemented to ensure that implemented ICs are effective and properly maintained, monitored, and enforced.			
	<b>Recommendation:</b> Develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).			
<b>Affect Current Protectiveness</b>	<b>Affect Future Protectiveness</b>	<b>Implementing Party</b>	<b>Oversight Party</b>	<b>Milestone Date</b>
No	Yes	PRP	EPA	Sept. 30, 2020

## VII. PROTECTIVENESS STATEMENTS

<b>O.U. #2 Protectiveness Statement(s)</b>	
<i>Operable Unit: 2</i>	<i>Protectiveness Determination:</i> Short-term Protective
<p><i>Protectiveness Statement:</i></p> <p>For the Tri-County portion (O.U. #2) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).</p>	

<b>O.U. #3 Protectiveness Statement(s)</b>	
<i>Operable Unit: 3</i>	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Elgin portion (O.U. #3) of the Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled, cleanup levels are still within EPA's risk range, and there is no current or potential exposure. The remedy currently protects human health and the environment because: ICs are in place, the landfill cap and gas collection and vent systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Tri-County Landfill property is consistent with the objectives of the landfill cap and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).	

<b>Sitewide Protectiveness Statement(s)</b>
<i>Sitewide Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> For the Tri-County/Elgin Landfills Superfund Site, the remedy currently protects human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. ICs are in place, the landfill cap and gas collection and flare/passive vent systems are operating properly, there is no evidence of a cap breach, the existing uses of the Tri-County and Elgin Landfill properties are consistent with the objectives of the landfill cap and land use restrictions, and there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume. However in order for the remedy to be protective in the long-term, the following action needs to be taken to ensure protectiveness: develop an Institutional Control Implementation and Assurance Plan or develop and incorporate equivalent procedures and protections into the Site Operations and Maintenance plan(s).

## VIII. NEXT REVIEW

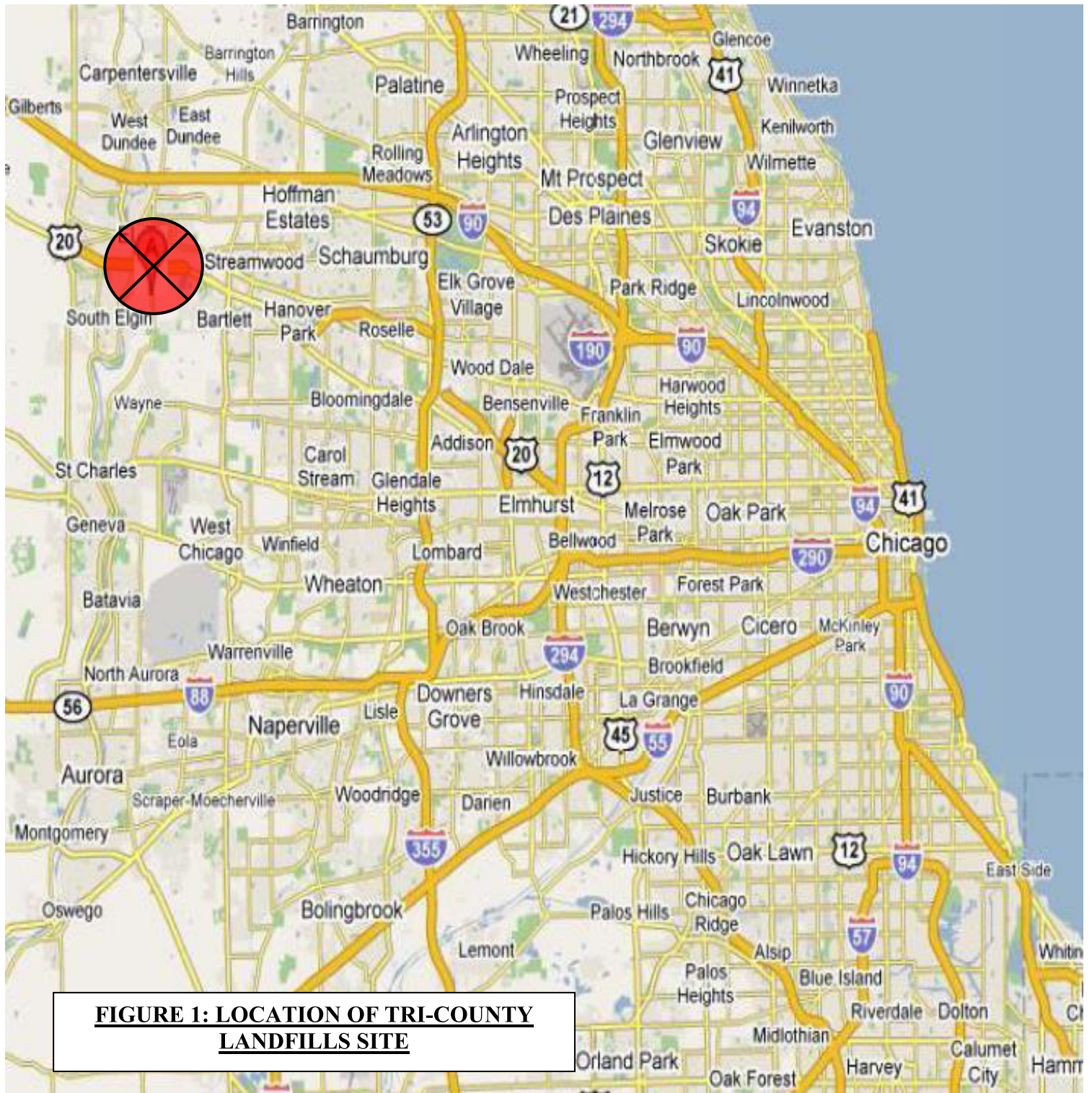
The next FYR report for the Tri-County Landfill Co./Waste Management Of Illinois, Inc. Superfund Site is required five years from the completion date of this review.

**APPENDIX A: List of Documents Reviewed for the Fourth Five Year Review Report;**  
**Tri-County/Elgin Landfills Superfund Site; Elgin, IL**

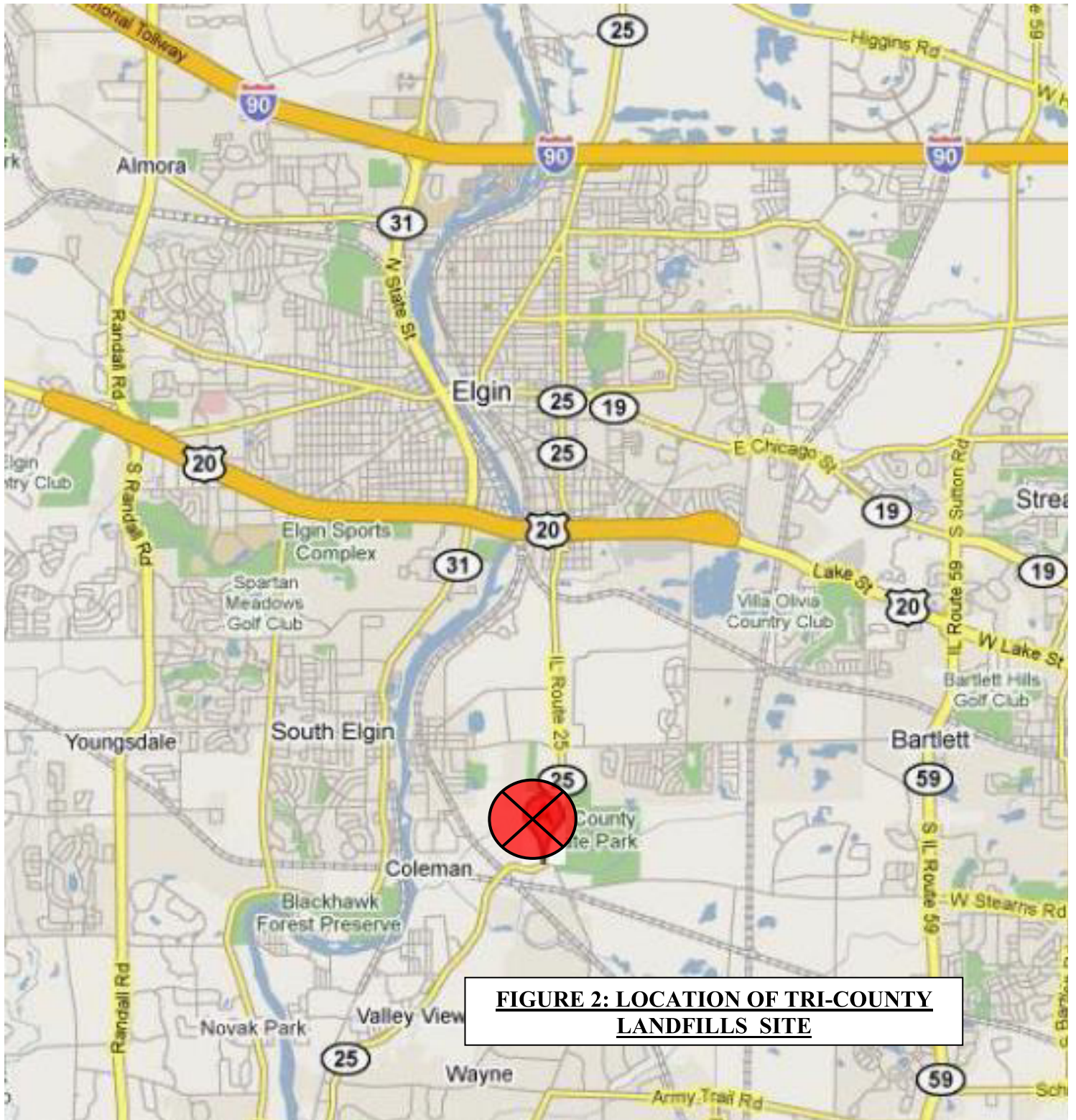
Site documents reviewed in preparation of this Five Year Review Report include the following:	
1.	Kane County Zoning Ordinance No. 76-29, dated March 9, 1976.
2.	Remedial Investigation Report for the Tri-County and Elgin Landfills; Elgin, IL (EPA Contract No. 68-W8-0079, Work Assignment No. 01-5L2G), dated May 1991.
3.	Record of Decision, signed September 30, 1992.
4.	Tri-County/Elgin Landfills Pre-design Report; Tri-County/Elgin Landfills; City of Elgin, Kane County, Illinois, dated February 1996.
5.	Explanation of Significant Differences #1, signed on June 25, 1996.
6.	Explanation of Significant Differences #2, signed on April 23, 1998.
7.	Unilateral Administrative Order For Remedial Design and Remedial Action, dated November 19, 1998.
8.	Explanation of Significant Differences #3, signed on July 14, 1999.
9.	Administrative Order for Remedial Design and Remedial Action for the Elgin Landfill Portion of the Site, signed on November 3, 1999.
10.	Administrative Order for Remedial Design and Remedial Action for the Tri-County Portion of the Site, signed on November 3, 1999.
11.	Revised Design Analysis, Elgin Landfill; Tri-County/ Elgin Landfills Superfund Site Elgin, Illinois, dated June 2000.
12.	Explanation of Significant Differences #4, signed on July 3, 2001.
13.	Preliminary Close-Out Report (PCOR) for the Tri-County/Elgin Landfills Superfund Site, signed November 1, 2001.
14.	Remedial Action Long-Term Groundwater Monitoring Program, Tri-County Landfill, dated January 2002.
15.	Operation and Maintenance Plan, Elgin Landfill Superfund Site, dated March 2003.
16.	First Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated Sept. 23, 2004.
17.	Second Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated Sept. 3, 2009.
18.	Quarterly Site Inspection Reports dated December 2008 through December 2013.
19.	2009 Annual Report: Tri-County and Elgin Landfills, June 2010.
20.	2010 Annual Report: Tri-County and Elgin Landfills, September 2011.
21.	EPA Form #9100-4: Superfund Property Reuse Evaluation Checklist For Reporting the Sitewide Ready-For-Anticipated Use GPRA Measure, dated September 26, 2013.
22.	Third Five Year Review Report: Tri-County/Elgin Landfills Superfund Site, Elgin, Illinois, dated July 3, 2014.
23.	2014 Annual Report: Tri-County and Elgin Landfills, July 2015.
24.	2015 Annual Report: Tri-County and Elgin Landfills, July 2016.
25.	2016 Annual Report: Tri-County and Elgin Landfills, July 2017.
26.	2017 Annual Report: Tri-County and Elgin Landfills, August 2018.
27.	2018 Annual Report: Tri-County and Elgin Landfills, May 3, 2019.

## **APPENDIX B: FIGURES AND TABLES**

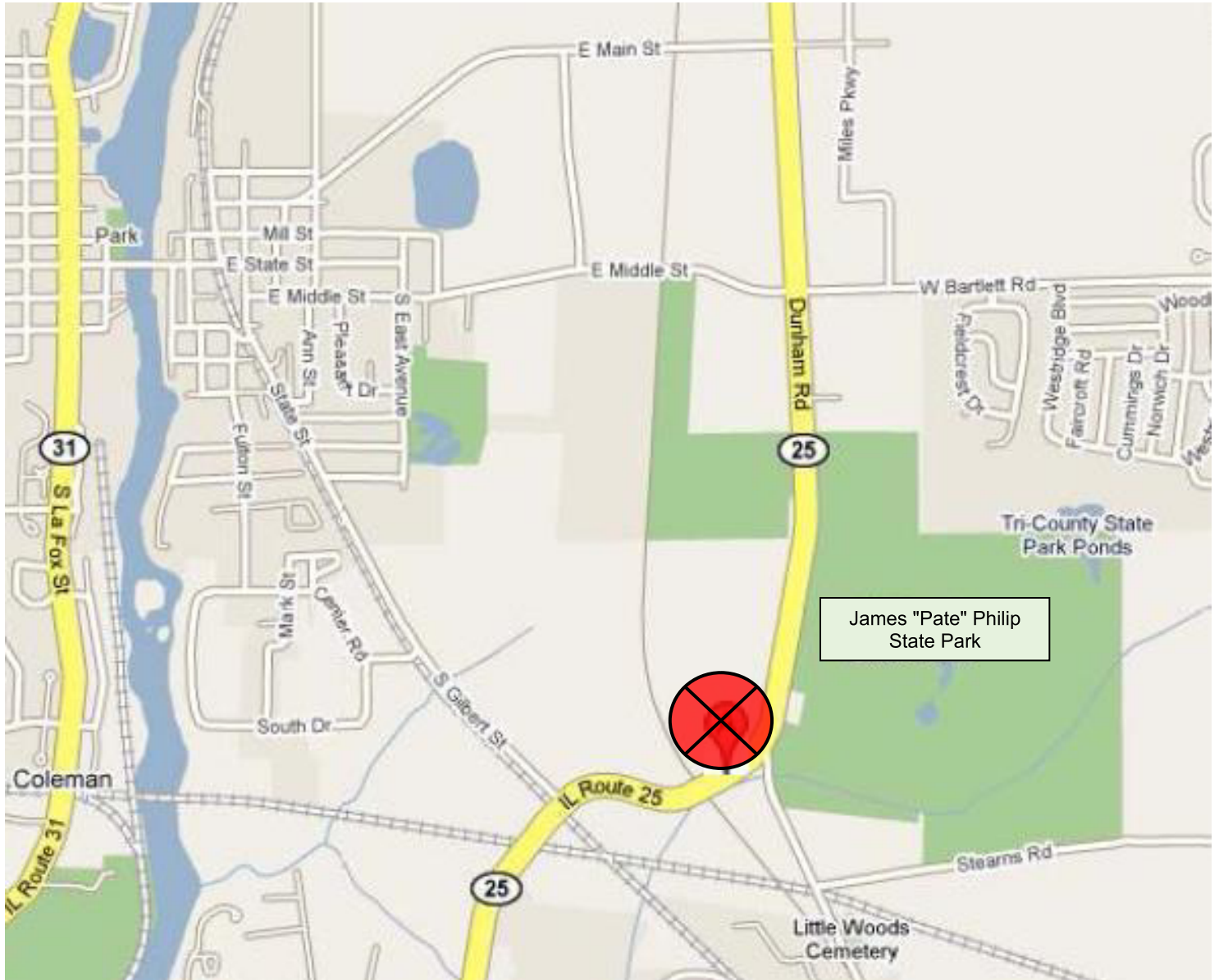
Figure 1	Site Location Map: Local and State Location
Figure 2	Site Location Map: Local
Figure 3	Site Location Map: Local
Figure 4	Approximate Wells Locations and Sampling Locations
Figure 5	Landfill Gas Collection System: Tri-County Portion
Figure 6	Landfill Gas Collection System: Elgin Portion
Figure 7	Tri-County/Elgin Landfills: Real Estate Parcels
Figure 8	Five-Year Review Advertisement
Table 5	Chronology of Site Events
Table 6	Summary of Groundwater Sampling Results
Table 7	Site Inspection Checklist; 2019 Five Year Review



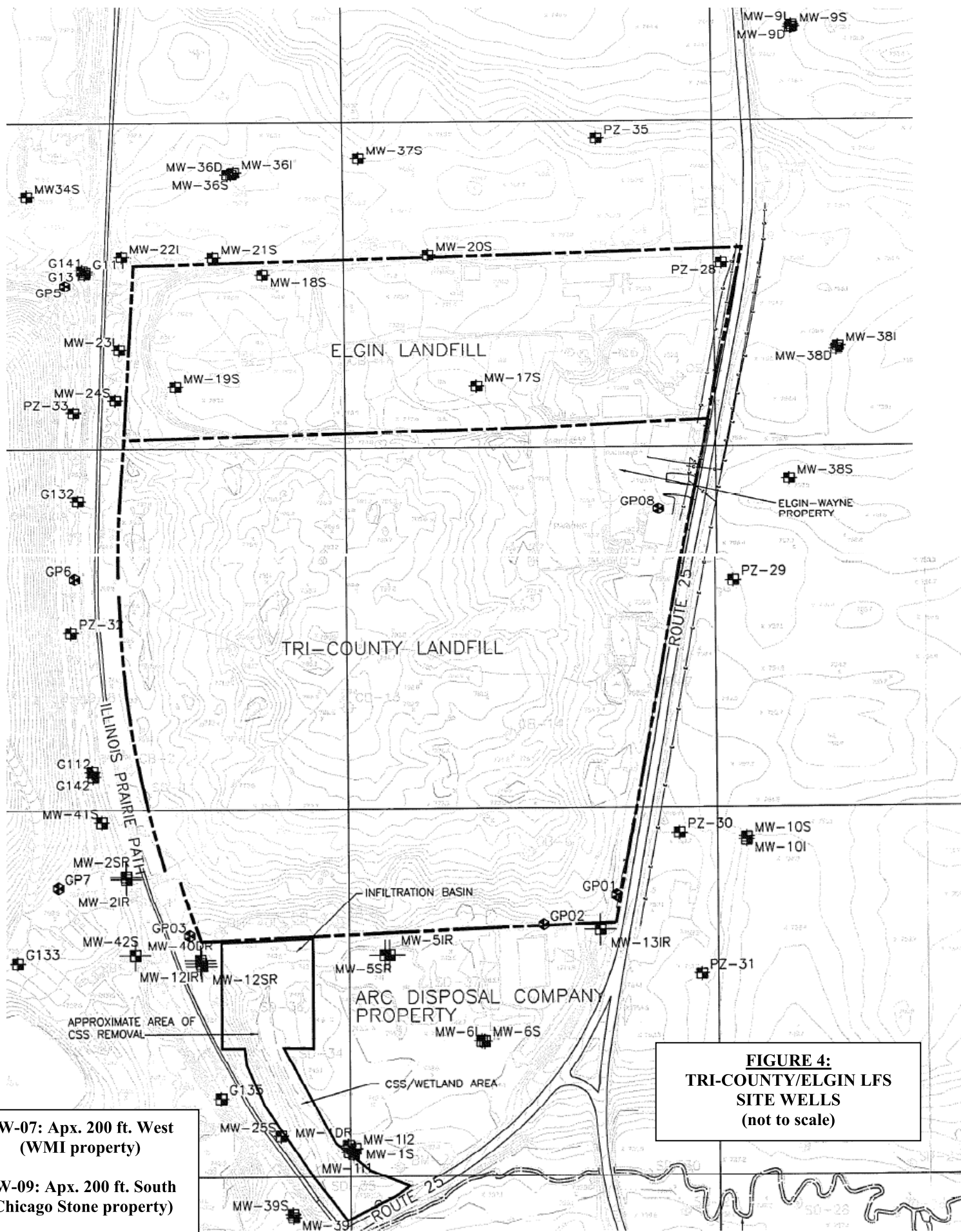








**FIGURE 3: LOCATION OF TRI-COUNTY  
LANDFILLS SITE**

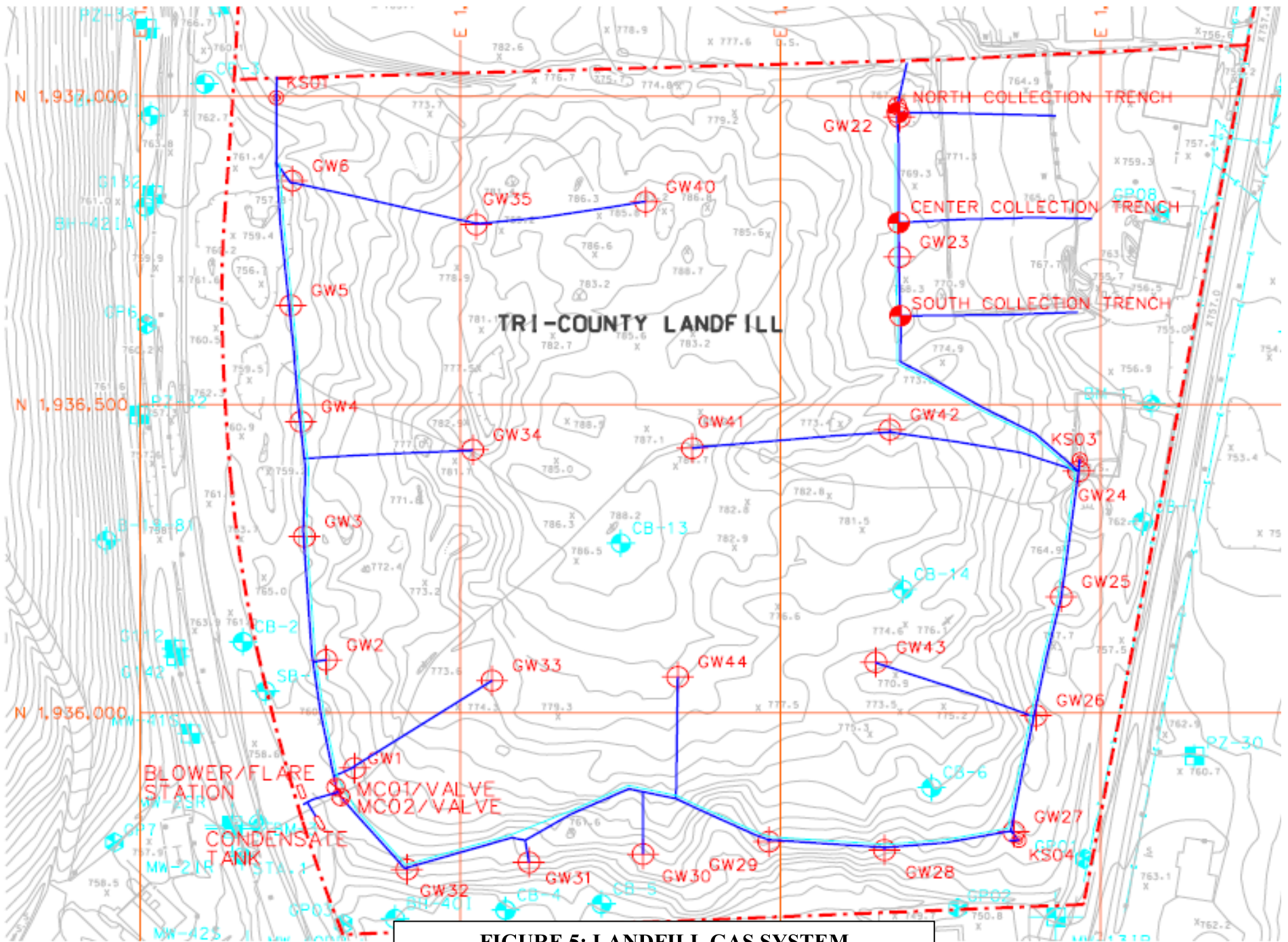


**FIGURE 4:**  
**TRI-COUNTY/ELGIN LFS**  
**SITE WELLS**  
 (not to scale)

**PW-07:** Apx. 200 ft. West  
 (WMI property)

**PW-09:** Apx. 200 ft. South  
 (Chicago Stone property)

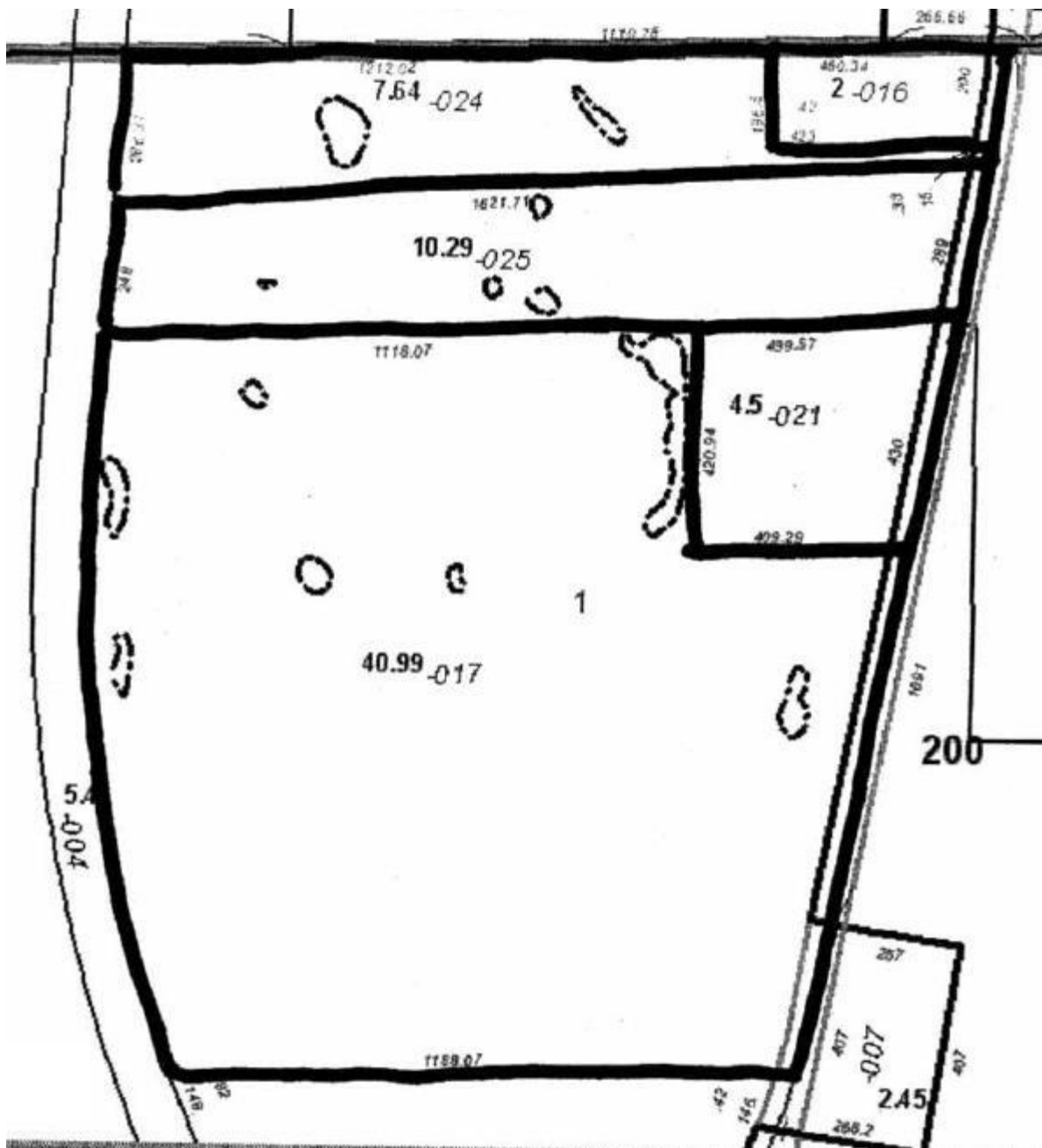
**PW-23:** At WMI Vehicle  
 Maintenance Facility



**FIGURE 5: LANDFILL GAS SYSTEM  
TRI-COUNTY PORTION**







**FIGURE 7:**

**TRI-COUNTY/ELGIN LANDFILLS SITE  
REAL ESTATE PARCELS DELINEATION**

\* As determined by U.S. EPA Title Search of May 2005

**FIGURE 8 - Five Year Review Advertisement**



**EPA Begins Review  
Of Tri-County/Elgin Landfill Superfund Site  
Elgin, Illinois**

The U.S. Environmental Protection Agency is conducting a five-year review of the Tri- County/Elgin Landfill Superfund site, 7N904 Illinois Route 25, Elgin. The Superfund law requires regular checkups of sites that have been cleaned up – with waste managed on-site – to make sure the cleanup continues to protect people and the environment. This is the fourth review of the site.

U.S. EPA's original cleanup included grading of the land contour to control precipitation runoff and infiltration; protection of the future use of the land; an impermeable landfill cap over 66 acres including landfill gas collection and treatment; operation and maintenance of the cap and site fencing; and monitoring of groundwater at the site.

More information is available at the Gail Borden Public Library, 270 N. Grove Ave., Elgin, and at <https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0500340>. The review should be completed this July.

The five-year-review is an opportunity for you to tell U.S. EPA about site conditions and any concerns you have. Contact:

**Cheryl Allen**

Community Involvement  
Coordinator  
312-353-6196  
[allen.cheryl@epa.gov](mailto:allen.cheryl@epa.gov)

**John Fagiolo**

Remedial Project Manager  
312-886-0800  
[fagiolo.john@epa.gov](mailto:fagiolo.john@epa.gov)

You may also call U.S. EPA toll-free at 800-621-8431, 8:30 a.m. to 4:30 p.m., weekdays.

**TABLE 5: SITE CHRONOLOGY**  
**TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**  
**FOURTH FIVE YEAR REVIEW**

Event	Date
Waste Disposal Operations at Tri-County Landfill.	1968 - 1976
Waste Disposal Operations at Elgin Landfill.	1961 - 1976
Initial discovery of contamination.	May 1971
Cease and Desist Order – Illinois Pollution Control Board (IPCB).	April 12, 1973
Site placed on National Priorities List (NPL).	March 31, 1989
U.S. EPA Remedial Investigation/Feasibility Study (RI/FS) complete.	July 24, 1992
Record of Decision (ROD) signature.	September 30, 1992
Administrative Order on Consent (AOC) with WMIL and BFI (now RSI).	February 2, 1994
Pre-Design Investigation (PDI) Report complete.	January 19, 1996
Explanation of Significant Differences (ESD) - #1.	June 25, 1996
Remedial Design (RD) complete.	September 30, 1997
ESD - #2.	April 23, 1998
Unilateral Administrative Order (UAO) for RA: WMIL/Tri-County LF Co.	September 24, 1998
UAO for RA issued to BFI.	November 19, 1998
Removal Work Plan/Notice of Authorization to Proceed with RA.	May 25, 1999
AOC <i>de minimis</i> .	June 11, 1999
ESD - #3.	July 14, 1999
UAO to BFI (later AWI, now RSI).	November 3, 1999
UAO to WMIL and Tri-County Landfill Company.	November 3, 1999
Consent Decree for Settlement of Claims Against 26 Municipal Solid Waste Generators Entered in U.S. District Court.	July 12, 2000
RA complete: Tri-County Landfill.	September 30, 2000
ESD - #4.	July 3, 2001
RA complete: Elgin Landfill.	November 1, 2001
Preliminary Closeout Report (PCOR) is signed.	November 1, 2001
First Five Year Review Report is signed.	September 23, 2004
Consent Decree for Payment of Response Costs: AWI (now RSI), WMIL.	May 16, 2007
Second Five Year Review Report is signed.	September 3, 2009
PRPs request change from "active" LFG vacuum collection and flaring to "passive" atmospheric venting system.	February 20, 2012
WMIL discontinues use of (former) vehicle and container storage facility located on-site.	Summer 2012
EPA issues "Memorandum to Site File" documenting and approving changing the LFG system to a passive venting design.	January 31, 2013
RSI completes purchase of (former) Pingel property through Kane County property tax delinquency process.	August 2013
Final Restrictive Covenant for the Site is recorded in Kane County.	September 25, 2013
Site achieves Sitewide Ready for Anticipated Use status.	September 26, 2013
PRPs complete conversion of LFG system to passive atmospheric venting.	Fall 2013
Third Five Year Review Report is signed.	January 6, 2014
Fourth Five Year Review is started.	November 30, 2018
Site inspection by WMIL, RSI (formerly BFI), IEPA, and U.S. EPA.	May 29, 2019



**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
TRI-COUNTY PORTION									
G-112	Chloride	ug/L	28,400	560,000	679,000	673,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,090,000*	1,750,000	1,690,000	2,170,000	500,000****	1,200,000	1,200,000
G-135	Dissolved Solids	ug/L	723,000	457,000*****	452,000	349,000	500,000****	1,200,000	1,200,000
G-142	Chloride	ug/L	685,000	445,000	438,000	416,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,630,000	1,420,000	1,280,000	1,410,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	1,260	2,100*****	1,100	380	300****	5,000	5,000
MW-1-S	Dissolved Solids	ug/L	782,000	638,000*****	461,000	478,000	500,000****	1,200,000	1,200,000
MW-1-I-1	Dissolved Solids	ug/L	502,000	756,000*****	901,000	1,020,000	500,000****	1,200,000	1,200,000
MW-1-I-2	Nitrite (as N)	ug/L	3,400	< 500*****	220	50	1,000		
MW-1-DR	Chloride	ug/L	124,000	64,600*****	71,100	80,500	250,000****	200,000	200,000
	Dissolved Solids	ug/L	571,000	486,000*****	493,000	521,000	500,000****	1,200,000	1,200,000
MW-2-SR	Aluminum	ug/L	246	330*****	60	60	50****		
	Dissolved Solids	ug/L	1,210,000	867,000*****	639,000	567,000	500,000****	1,200,000	1,200,000
	Manganese	ug/L	170	79*****	2.4	1	50****	150	10,000
	Nickel	ug/L	109	240	4	4	-	100	2,000
	Nitrate	ug/L	9,200	< 500*****	17,400	3,640	10,000	10,000	10,000
	Sulfate	ug/L	550,000	157,000*****	204,000	156,000		400,000	
MW-2-IR	Aluminum	ug/L	47.5	200*****	60	60	50****		
	Iron	ug/L	1,240	2,000*****	2,600	810	300****	5,000	5,000
MW-5-SR	Dissolved Solids	ug/L	508,000	440,000*****	262,000	278,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	1,650	1,500*****	1,100	1,700	300****	5,000	5,000
	Manganese	ug/L	428	420	240	260	50****	150	10,000
MW-5-IR	Aluminum	ug/L	54.6	100*****	240	71	50****		
	Dissolved Solids	ug/L	370,000	341,000*****	209,000	396,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	2,330	1,500*****	1,800	1,800	300****	5,000	5,000

\* 2006, 2008, 2015, or 2016 Data.

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\*\*\* NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
MW-6-S	Arsenic	ug/L	20	15	< 10 *	< 10	10	50	200
	Chloride	ug/L	342,000	129,000 *****	295,000	214,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,110,000	774,000 *****	985,000	956,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	12,900	11,500	14,200	12,400	300****	5,000	5,000
	Manganese	ug/L	356	410	700	590	50****	150	10,000
MW-6-I	Aluminum	ug/L	151	1,700 *****	170	60	50****		
	Chloride	ug/L	234,000	125,000 *****	146,000	122,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	886,000	595,000 *****	577,000	587,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	7,510	9,900	4,400	5,400	300****	5,000	5,000
	Manganese	ug/L	47.6	90*****	33	36	50****	150	
MW-10-S	Aluminum	ug/L	16,300	8,800 *****	690	150	50****		
	Manganese	ug/L	2,590	200	100	26	50****	150	10,000
	Iron	ug/L	22,400	1,200 *****	970	260	300****	5,000	5,000
	Lead	ug/L	15.9	< 5*****	< 5	< 5	15	8	
MW-10-I	Aluminum	ug/L	262	1,900 *****	4,200	11,400	50****		
	Iron	ug/L	338	1,500 *****	2,600	7,500	300****	5,000	5,000
	Manganese	ug/L	102	75*****	73	100	50****	150	10,000
MW-12-SR	Arsenic	ug/L	20	23	< 10	< 10	10	50	200
	Dissolved Solids	ug/L	373,000	402,000 *****	365,000	286,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,610	4,000 *****	2,000	2,500	300****	5,000	5,000
	Manganese	ug/L	317	400	380	420	50****	150	10,000
MW-12-IR	Arsenic	ug/L	20	28	< 10	< 10	10	50	200
	Chloride	ug/L	296,000	67,200 *****	298,000	286	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,020,000	441,000 *****	946,000	1,050,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	3,350	6,800	1,900	770	300****	5,000	5,000
	Manganese	ug/L	76.3	79*****	48	32	50****	150	10,000
	Chromium (total)	ug/L	105	140	300	30	100	100	
	Nickel (total)	ug/L	209	110	170	98	-	100	2,000
MW-13-IR	Aluminum	ug/L	30	< 60 *****	< 60	< 60	50****		
	Dissolved Solids	ug/L	838,000	483,000 *****	468,000	520,000	500,000*****	1,200,000	1,200,000

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**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
	Iron	ug/L	1,820	1,200 *****	1,100	1,200	300****	5,000	5,000
	Manganese	ug/L	76.9	43 *****	35	33	50****	150	10,000
MW-25-S	Dissolved Solids	ug/L	784,000	541,000 *****	436,000	431,000	500,000*****	1,200,000	1,200,000
MW-38-S	Aluminum	ug/L	643	60*****	6,200	2,400	50****		
	Chromium (total)	ug/L	374	110	1,700	1,900	100	100	1,000
	Dissolved Solids	ug/L	547,000	530,000 *****	338,000	314,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,880	660*****	15,700	43,300	300****	5,000	5,000
	Manganese	ug/L	272	6.8*****	1,100	860	50****	150	10,000
MW-39-S	Aluminum	ug/L	242	120*****	2,000	220	50****		
	Dissolved Solids	ug/L	543,000	505,000 *****	762,000	498,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	561	540*****	8,100	5,700	300****	5,000	5,000
	Manganese	ug/L	1,020	1,100	2,200	1,800	50****	150	10,000
MW-39-I	Aluminum	ug/L	77.9	340*****	110	60	50****		
	Dissolved Solids	ug/L	574,000	576,000 *****	622,000	634,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	190	770*****	840	650	300****	5,000	5,000
	Manganese	ug/L	269	250	200	230	50****	150	10,000
MW-40-DR	Aluminum	ug/L	33.4	< 60 *****	71	60	50****		
	Arsenic	ug/L	38.6	13	< 10 *	24	10	50	200
	Chloride	ug/L	712,000	383,000	417,000	474,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,630,000	1,360,000	1,770,000	1,570,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	15,600	5,900	3,300	9,800	300****	5,000	5,000
	Manganese	ug/L	151	140*****	54	67	50****	150	10,000
MW-41-S	Dissolved Solids	ug/L	1,420,000	806,000 *****	436,000	1,450,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,760	1,700 *****	480	600	300****	5,000	5,000
	Manganese	ug/L	730	870	140	180	50****	150	10,000
	Nitrate (as N)	ug/L	39,100	1,880 *****	29,300	38,700	10,000	10,000	10,000
	Sulfate	ug/L	414,000	113,000 *****	363,000	296,000	250,000*****	400,000	400,000
PW-07 (Private Well)	Arsenic	ug/L	20	16	< 10	< 10	10	50	200
	Chloride	ug/L	506,000	878,000	789,000	837,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,140,000	2,550,000	2,250,000	2,590,000	500,000*****	1,200,000	1,200,000
	PW-07: Iron	ug/L	113	15,000	11,000	540	300****	5,000	5,000
PW-09	Iron	ug/L	317	2,600 *****	1,600	2,100	300****	5,000	5,000

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\*\*\* NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
PW-22	Chloride	ug/L	Well not present as per 2006 Report (formerly at Arc Disposal)	NA	117,000	135,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L			655,000	661,000	500,000****	1,200,000	1,200,000
	Iron	ug/L			950	1,100	300****	5,000	5,000
PW-23	Iron	ug/L	68	3,100 *****	1,500	2,700	300****	5,000	5,000
	Chloride	ug/L	277,000	276,000	296,000	320,000	250,000****	200,000	200,000
	Manganese	ug/L	3.4	1,500	1,700	39	50****	150	10,000
<b>ELGIN PORTION</b>									
Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL	IL GW Quality Standards	
								Class I	Class II
G-111	Chloride	ug/L	398,000	296,000	310,000	336,000	250,000****	200,000	200,000
	Dissolved Solids	ug/L	1,290,000	1,390,000	1,220,000	1,310,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	354	260*****	170	97	50****		
	Iron	ug/L	8,880	8,700	7,500	7,000	300****	5,000	5,000
G-141	Iron	ug/L	3,030	3,000 *****	3,500	1,800	300****	5,000	5,000
MW-9-S	Dissolved Solids	ug/L	676,000 *	872,000 *****	594,000	459,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	210,000 *	NA ***	< 60	-	50****		
	Iron	ug/L	1,590 *	NA ***	NA	0	300****	5,000	5,000
MW-9-I	Dissolved Solids	ug/L	796,000 *	934,000	904,000 *	903,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	- *	NA	NA	-	50****		
	Iron	ug/L	- *	NA	NA	0	300****	5,000	5,000
MW-9-D	Iron	ug/L	- *	NA	1,100	630	300	5,000	5,000
MW-20-S	Chloride	ug/L	471,000 *	550,000	510,000 *	63,600	250,000	200,000	200,000
	Chromium (total)	ug/L	25.7 *	2,600	12,800 *	210	100	100	1,000
	Dissolved Solids	ug/L	- *	1,800,000	1,470,000 *	612,000	500,000****	1,200,000	1,200,000
	Iron	ug/L	- *	14,000	6,500 *	510	300****	5,000	5,000
	Manganese	ug/L	632 *	670	560 *	29	50****	150	10,000
	Nickel	ug/L	40 *	660	490 *	87	-	100	2,000
MW-22-I	Chloride	ug/L	48,100	80,200 *****	67,400	21,600	250,000	200,000	200,000
	Dissolved Solids	ug/L	654,000	672,000 *****	629,000	537,000	500,000****	1,200,000	1,200,000
	Aluminum	ug/L	338	< 60 *****	1,100	280	50****		
	Arsenic	ug/L	9.92	8.7*****	9.6	6.5	10	50	200
	Iron	ug/L	7,900	7,200	6,300	4,400	300****	5,000	5,000
	Manganese	ug/L	142	180	350	280	50****	150	10,000

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\*\*\*\* Secondary MCLs (SMCLs), which are non-mandatory water quality standards that EPA does not enforce.

\*\*\*\*\* Contaminant no longer exceeds the Cleanup Standard based on 2012 data.

**TABLE 6: COMPARISON OF GROUNDWATER PERFORMANCE STANDARDS EXCEEDED \*\***  
**FOURTH FIVE YEAR REVIEW; TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE**

Sampling Location	Exceedance Parameters**	Units	2007 Results	2012 Results	2017 Results	2018 Results	EPA MCL (or SMCL)	IL GW Quality Standards	
								Class I	Class II
MW-23-I	Chloride	ug/L	321,000	187,000 *****	191,000	188,000	250,000*****	200,000	200,000
	Dissolved Solids	ug/L	1,160,000	936,000 *****	820,000	930,000	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L	195	88*****	9,400	280	50*****		
	Iron	ug/L	1,700	2,600 *****	16,500	2,900	300*****	5,000	5,000
	Manganese	ug/L	70.7	82*****	440	54	50*****	150	10,000
MW-24-S	Dissolved Solids	ug/L	612,000	599,000 *****	655,000	624,000	500,000*****	1,200,000	1,200,000
	Iron	ug/L	1,740	3,000 *****	7,300	140	300*****	5,000	5,000
	Manganese	ug/L	508	450	1,000	11	50*****	150	10,000
	Nickel	ug/L	188	150	190	15	-	100	2000
	Nitrate/Nitrite (as N)	ug/L	-	580*****	NA	3,570	1,000	10,000	10,000
	Chromium	ug/L			120	< 5	100	100	1,000
MW-34-S	Dissolved Solids	ug/L	Well has been abandoned. (as per 2006 Ann. Report)	NA	NA	NA	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L					50*****		
	Iron	ug/L					300*****	5,000	5,000
	Manganese	ug/L					50*****	150	10,000
	Nitrate/Nitrite (as N)	ug/L					1,000*****	10,000	10,000
MW-36-I	Chloride	ug/L	401,000	265,000	310,000	273,000	250,000*****	200,000	200,000
	Chromium	ug/L		120	24	26	100	100	1,000
	Dissolved Solids	ug/L	1,320,000	1,200,000	1,150,000	1,020,000	500,000*****	1,200,000	1,200,000
	Aluminum	ug/L	30	65*****	< 60	< 60	50*****		
	Iron	ug/L	9,750	10,100	9,900	11,100	300*****	5,000	5,000
	Manganese	ug/L	314	260	230	210	50*****	150	10,000
	Nickel	ug/L	18.7	68*****	31	21	-	100	2000
MW-36-S	Nickel	ug/L		150	NA	240	-	100	2000
	Chromium	ug/L			170	280	100	100	1,000
MW-36-D	Aluminum	ug/L	104	140*****	190	130	50*****		
	Manganese	ug/L	377	730	650	720	50*****	150	10,000
MW-38-I	Aluminum	ug/L	183	120*****	88	< 60	50*****		
	Iron	ug/L	1,020	930*****	910	890	300*****	5,000	5,000
MW-38-D	Aluminum	ug/L	46.4	<60*****	< 60	< 60	50*****		
	Iron	ug/L	1,950	1,800 *****	890	1,900	300*****	5,000	5,000
	Manganese	ug/L	199	190	150	160	50*****	150	10,000

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\*\*\* NA = Not Analyzed. Sampling location may not be representative of contamination on site or of potential migration of contaminants.

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**TABLE 7: Fourth Five Year Review Site Inspection Checklist  
TRI-COUNTY/ELGIN LANDFILLS SUPERFUND SITE: MAY 2019**

I. SITE INFORMATION	
Site name: TRI-COUNTY/ELGIN LANDFILLS	Date of inspection: WED., MAY 29, 2019
Location and Region: ELGIN, ILLINOIS. U.S. EPA REGION 5	EPA ID: ILD 048 306 138; Spill ID # 052G
Agency, office, or company leading the five-year review: U. S. ENVIRONMENTAL PROTECTION AGENCY; REGION 5 CHICAGO	Weather/temperature: OVERCAST, OCCASIONAL LIGHT RAIN. WIND 5-10 MPH. TEMP. 65-75 DEG. F
<b>Remedy Includes:</b> (Check all that apply) <input checked="" type="checkbox"/> Landfill cover/containment <input checked="" type="checkbox"/> Monitored natural attenuation <input checked="" type="checkbox"/> Access controls <input type="checkbox"/> Groundwater containment <input checked="" type="checkbox"/> Institutional controls <input type="checkbox"/> Vertical barrier walls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment <input checked="" type="checkbox"/> Other: <u>Long term groundwater monitoring; Landfill gas (LFG) collection with passive venting and an intermittent open flare if needed. As of late 2013, LFG is vented to the atmosphere. The vacuum system and LFG flare are still maintained in the event they may be needed in future. Surface water gravity drains to wetland collection / infiltration area.</u>	
<b>Attachments:</b> <input type="checkbox"/> Inspection team roster attached <input checked="" type="checkbox"/> Site map attached (Figures 4-6)	
II. INTERVIEWS / PARTICIPANTS (Check all that apply)	
<b>1. O&amp;M site manager</b> <b>A. <u>Waste Management, Inc. of Illinois (WMIL): Michael Peterson, P.E., Proj. Mgr., Closed Landfill Sites. W124N9355 Boundary Road; Menomonee Falls, WI 53051. 262-509-5638; FAX: 262-255-3798; email: "mpeterso2@wm.com"</u></b>  <b>B. <u>Republic Services, Inc. (RSI, formerly Allied Waste or AWI, formerly Browning Ferris or BFI).</u></b> <u>NOTE: For the purposes of this five-year review, it is RSI.</u> <b>Eric Ballenger, Hydrogeologist.</b> <b>26 W. 580 Schick Road; Hanover Park, IL 60133.</b> <b>630-894-9095; FAX: 630-894-9089; email: "EBallenger@republicservices.com"</b>  Interviewed <input checked="" type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail and in person on site.</u>	
<b>2. O&amp;M staff:</b> <b>A. <u>RSI: Blue Flame Crew LLC; Dan Sawyer, Project Manager. P.O. Box 525; Naperville, IL 60566.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail and in person on site.</u> Phone no. <u>(630) 639-7266; FAX (630) 585-0581. email: "DSawyer@blueflameco.com"</u>  <b>B. <u>WMIL: SCS Engineers; Michael Prattke, Division Manager.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>E-mail.</u> <b><u>N84 W13540 Leon Rd.; Menomonee Falls, Wisconsin 53051</u></b> Phone no. <u>(262) 345-1220; Fax: (262)345-1224; email: "MPrattke@scsengineers.com"</u>  <b>C. <u>WMIL (adjacent to site): Woodland Recycling Disposal Facility (RDF): Mr. Mike Drendel, Operations Mgr.</u></b> Interviewed <input type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone <input checked="" type="checkbox"/> Other: <u>Through M. Peterson of WMIL.</u> Phone no. <u>(847) 841-7208, (847) 741-0219</u>	
Problems, suggestions: <u>The contractors for WMIL and RSI were not present but were consulted prior to this inspection. WMIL (SCS) and RSI (Blue Flame) consult with their O&amp;M contractors at a minimum quarterly.</u>	

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

**A. Agency Illinois Environmental Protection Agency (IEPA)**

Contact Chris M. Peters, Project Manager; Federal Site Remediation Section;

1021 North Grand Avenue East; P.O. Box 19276; Springfield, IL 62794-9276.

Phone: (217) 785-6309; email: Christopher.M.Peters@illinois.gov

Problems; suggestions:

None.

**B. Agency Illinois Environmental Protection Agency (IEPA)**

Contact \_\_\_\_\_

Problems; suggestions:

**NOTE: No other interviews were conducted with any local regulatory authorities and response agencies. As of May 29, 2019, no comments have been received by U.S. EPA as a result of the public notice (Daily Herald) and no problems were reported to U.S. EPA or IEPA in the past 5 years.**

4. **Other interviews** (optional): None.

**III. ON-SITE DOCUMENTS & RECORDS VERIFIED** (Check all that apply)

1. **O&M Documents**

O&M manual	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
As-built drawings	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
Maintenance logs	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A

Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. These documents are located on site at the WMIL building. Copies are present at WMI and RSI offices and the offices of their contractors.**

2. **Site-Specific Health and Safety Plan**

<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
<input type="checkbox"/> Contingency plan/emergency response plan	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date
		<input type="checkbox"/> N/A

Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are in the office of the WMIL building, and at WMIL and RSI offices and the offices of their contractors.**

3. **O&M and OSHA Training Records**

<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
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Remarks: **All of the above listed documents were confirmed to be available during the site inspection in an updated form. Site copies are in the office of the WMIL Woodland facility, and at WMIL and RSI offices and the offices of their contractors.**

4. **Permits and Service Agreements**

Air discharge permit	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Effluent discharge	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Waste disposal, POTW	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Other permits _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A

Remarks: **There are no permits required for this Site or the adjacent property because gas levels have consistently been below required criteria. If the LFG flare is needed in future, the only permit present is the Title V Air Permit, Permit Number: 95090109 (Facility ID: 089813AAJ; Facility SIC Code: 4953); which is the air permit for the adjacent Woodland RDF flare. Until the Tri-County/Elgin Landfills LFG system was converted to "passive" venting in late 2013, both the Site and adjacent properties' systems were in compliance since the last Five Year Review in 2009.**



5.	<b>Gas Generation Records</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
Remarks: <u>All of these documents were confirmed to be available at the office locations of the O&amp;M contractor (Blue Flame LLC, and SCS Engineers). Gas generation records are submitted to WMIL and RSI at least quarterly and summarized in inspection reports. These records are permanently stored by WMI and RSI. More frequent reporting of gas generation information is available if needed.</u>				
6.	<b>Settlement Monument Records</b>	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Remarks: <u>There are no settlement monuments at the Tri-County/Elgin Landfills Site.</u>				
7.	<b>Groundwater Monitoring Records</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
Remarks: <u>All of the above listed documents were confirmed to be available at the office locations of the O&amp;M contractors and WMIL and RSI. Groundwater sampling data are submitted to WMIL, U.S. EPA, and RSI on an annual basis and these records are permanently stored.</u>				
8.	<b>Leachate Extraction Records</b>	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Remarks: <u>No leachate collection or treatment except for condensate run-off collected at the underground tank on the Woodland Hills property. The tank is emptied with vacuum truck approximately every 2 to 3 years. The tank was cleaned out in 2014.</u>				
9.	<b>Discharge Compliance Records</b>			
	<input type="checkbox"/> Air	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> Water (effluent)	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date	<input checked="" type="checkbox"/> N/A
Remarks: <u>There are no discharges from the Tri-County/Elgin Landfills Site.</u>				
10.	<b>Daily Access/Security Logs</b>	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date	<input type="checkbox"/> N/A
Remarks: <u>Site access is restricted by perimeter fencing, gates, signs, and occasional (quarterly) personnel at the WMIL and RSI properties. The only site access is through the gate at Illinois Route 25, with all other gate entrances permanently locked daily. Security records prior to 2012 (when WMIL ceased using the buildings on Site) are available upon request.</u>				

IV. O&M COSTS	
1.	<b>O&amp;M Organization</b> <input type="checkbox"/> State in-house <input type="checkbox"/> Contractor for State <input checked="" type="checkbox"/> PRP in-house <input checked="" type="checkbox"/> Contractor for PRP <input type="checkbox"/> Federal Facility in-house <input type="checkbox"/> Contractor for Federal Facility <input type="checkbox"/> Other _____

2. **O&M Cost Records**  
☒ Readily available      ☒ Up to date  
☐ Funding mechanism/agreement in place      ☐ Breakdown attached
- ☒ Original O&M cost estimate: **Page 34 of the 1992 ROD shows a net present worth of \$12,624,000 and annual estimated cost of \$ 243,500 for the remedy selected.**
- Total annual cost by year for review period if available
- From : 2009 To: 2014 ; **Approx. \$100,000-120,000 annually, average**      ☐ Breakdown attached  
           Date                      Date                      Total cost
- NOTE: **Average site annual costs are approximately \$90,000 to \$130,000, not including WMIL and RSI payment of U.S. EPA Oversight Costs. Average cost is cited here because site costs fluctuate depending on the degree of repair/upgrade to remedy components implemented for each year. This total reflects O&M and site sampling over the past 5 years.**
3. **Unanticipated or Unusually High O&M Costs During Review Period**  
 Describe costs and reasons: **None.**

**V. ACCESS AND INSTITUTIONAL CONTROLS**      ☒ Applicable      ☐ N/A

**A. Fencing**

1. **Fencing damaged**      ☐ Location shown on attached drawing      ☒ Gates secured      ☐ N/A  
 Remarks: **A small portion of fencing was damaged near the former Flare area. Site PRPs assured EPA and IEPA that repairs would be made shortly after the inspection. Site access is restricted by site security measures, perimeter fencing, and locked gates. The only site access is through the WMIL Equipment Storage Facility from Illinois Route 25. The site is locked/secured and WMIL personnel are present at the adjacent Woodland Hills facility. Operations contractors visit the site quarterly and inspect the site and site perimeter during each visit.**

**B. Other Access Restrictions**

1. **Signs and other security measures**      ☐ Location shown on site map      ☐ N/A  
 Remarks: **Signage is present generally every 150 to 200 feet on perimeter fencing and at all locked access gates. Security is provided by quarterly inspections and WMIL personnel working adjacent to the site. A current, valid, EPA Region 5 Toll-Free telephone number is posted on each sign. Site signage may be updated as a result of this Five Year Review Site Inspection.**

**C. Institutional Controls (ICs)****1. Implementation and enforcement**

Site conditions imply ICs not properly implemented

☐ Yes ☒ No ☐ N/A

Site conditions imply ICs not being fully enforced

☐ Yes ☒ No ☐ N/AType of monitoring (e.g., self-reporting, drive by) Site InspectionFrequency QuarterlyResponsible party/agency WMIL and RSIContact SEE POINTS OF CONTACT IN SECTION II OF THIS FORM

Name

Title

Date

Phone no.

Reporting is up-to-date

☒ Yes ☐ No ☐ N/A

Reports are verified by the lead agency

☒ Yes ☐ No ☐ N/A

Specific requirements in deed or decision documents have been met

☒ Yes ☐ No ☐ N/A

Violations have been reported

☐ Yes ☐ No ☒ N/AOther problems or suggestions: ☐ Report attached

NOTE: Institutional Controls have been implemented. On September 25, 2013, the Kane County Register of Deeds recorded the signed document "Environmental Covenant Under Illinois Uniform Environmental Covenants Act; Tri-County/Elgin Landfill Superfund Site" for a parcel of property within the O.U. #3 area. This document was the final IC required for the Site and September 25, 2013 is the date on which ICs were successfully completed. The Site has been zoned as Special Use (SU) by Kane County, Illinois, which means that special application and public meetings must take place before any attempt at changing the intended use of the site properties is attempted.

**2. Adequacy**☒ ICs are adequate☐ ICs are inadequate☐ N/A

Remarks: Institutional Controls were implemented on 10/10/12 and 9/25/13 and are effective. There is no evidence of trespassing or unacceptable uses of the Site property, site access is restricted and site security is in place and effective.

**D. General****1. Vandalism/trespassing**☐ Location shown on site map☒ No vandalism evident

Remarks: \_\_\_\_\_

**2. Land use changes on site**☒ None☐ N/A

Remarks: Since 2007, WMIL no longer uses the northeast corner of the Tri-County portion for waste transfer. WMIL leases this area to a tenant that uses the area only for vehicle storage. No other land use changes are anticipated or desired for the next 5-year period (to 2024).

**3. Land use changes off site**☒ None☐ N/A

Remarks: Stearns Road to the south and east of the site was extended west (near the southern boundary of the Site), to intersect Randall Road. This Stearns Road Bridge Corridor project was completed in December 2010. Residential properties closest to the Site were approximately 1000 feet to the southeast of the Site and were purchased by the State of Illinois to facilitate this roadway construction project. Property to the east and north is under the control of the Illinois Department of Natural Resources (IDNR). Property to the west (Woodland RDF) is owned by WMIL. Property to the south is approximately 200 feet away and is owned by Chicago Elmhurst Stone and Gravel for industrial use. RSI which is now Republic Services, owns the ARC Disposal subsidiary, which is the property immediately adjacent to the southern boundary of the site. This (former) ARC Disposal property is not regularly inhabited. Except for completion of the Stearns Road project, these Land Uses have not changed since the last Five Year Review in 2009.

VI. GENERAL SITE CONDITIONS			
A. Roads <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Roads damaged</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Roads adequate <input type="checkbox"/> N/A
Remarks: _____			
B. Other Site Conditions			
Remarks: <b><u>"Other Site Conditions" Section of this Form is being used to summarize remedy components that are not shown in the Site Inspection Checklist Template.</u></b>			
2.	<b>Electrical Enclosures and Panels; Landfill Gas and Ground Flare</b> (properly rated functional)		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs Maintenance
Remarks: <b><u>Equipment is not in use however there are no signs of inordinate vandalism or disrepair.</u></b>			
3.	<b>Tanks, Vaults, Storage Vessels; Leachate Holding Tank and Off-Loading Pad</b>		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input checked="" type="checkbox"/> Proper containment <input type="checkbox"/> Needs Maintenance
Remarks: <b><u>Condensate knock-out tanks and appurtenances are all in good condition.</u></b>			
4.	<b>Discharge Structure and Appurtenances</b>		
	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs Maintenance
Remarks: <b><u>All rip-rap used for stormwater control is in very good condition</u></b>			
5.	<b>On-Site Buildings: Vehicle Storage Area; Gas Flare Pad</b>		
	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Good condition	<input type="checkbox"/> Needs repair
	<input type="checkbox"/> Chemicals and equipment properly stored		
Remarks: _____			

VII. LANDFILL COVERS <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
A. Landfill Surface			
1.	<b>Settlement</b> (Low spots)	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Settlement not evident
	Areal extent _____	Depth _____	
Remarks: _____			
2.	<b>Cracks</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Cracking not evident
	Lengths _____	Widths _____	Depths _____
Remarks: _____			
3.	<b>Erosion</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Erosion not evident
	Areal extent _____	Depth _____	
Remarks: _____			
4.	<b>Holes</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Holes not evident
	Areal extent _____	Depth _____	
Remarks: _____			
5.	<b>Vegetative Cover</b>	<input checked="" type="checkbox"/> Grass	<input checked="" type="checkbox"/> Cover properly established <input checked="" type="checkbox"/> No signs of stress
	<input type="checkbox"/> Trees/Shrubs (indicate size and locations on a diagram)		
Remarks: <b><u>Saplings of potential deep rooting species are removed during mowing events. Mowing on both the Tri-County and Elgin sides generally occurs annually or as otherwise needed, conditional upon weather conditions. Vegetative cover on both Tri-County and Elgin sides is growing well. Annual Reports are available as needed which summarize maintenance activities since 2014.</u></b>			

6.	<b>Alternative Cover (armored rock, concrete, etc.)</b> <input checked="" type="checkbox"/> N/A Remarks _____
7.	<b>Bulges</b> <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Bulges not evident Areal extent _____ Height _____ Remarks _____
8.	<b>Wet Areas/Water Damage</b> <input checked="" type="checkbox"/> Wet areas/water damage not evident Wet areas <input type="checkbox"/> Location shown on site map    Areal extent _____ Ponding <input type="checkbox"/> Location shown on site map    Areal extent _____ Seeps <input type="checkbox"/> Location shown on site map    Areal extent _____ Soft subgrade <input type="checkbox"/> Location shown on site map    Areal extent _____ Remarks <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>
9.	<b>Slope Instability</b> <input type="checkbox"/> Slides <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> No evidence of slope instability Areal extent _____ Remarks _____
<b>B. Benches</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A (Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)	
1.	<b>Flows Bypass Bench</b> <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> N/A or okay Remarks _____
2.	<b>Bench Breached</b> <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> N/A or okay Remarks _____
3.	<b>Bench Overtopped</b> <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> N/A or okay Remarks _____
<b>C. Letdown Channels</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A (Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)	
1.	<b>Settlement</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of settlement <input checked="" type="checkbox"/> N/A Areal extent _____ Depth _____ Remarks _____
2.	<b>Material Degradation</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of degradation <input checked="" type="checkbox"/> N/A Material type _____ Areal extent _____ Remarks _____
3.	<b>Erosion</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of erosion <input checked="" type="checkbox"/> N/A Areal extent _____ Depth _____ Remarks _____
4.	<b>Undercutting</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> No evidence of undercutting <input checked="" type="checkbox"/> N/A Areal extent _____ Depth _____ Remarks _____
5.	<b>Obstructions</b> Type _____ <input type="checkbox"/> No obstructions <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Location shown on site map    Areal extent _____ Size _____ Remarks _____

6.	<b>Excessive Vegetative Growth</b> <input type="checkbox"/> No evidence of excessive growth <input type="checkbox"/> Vegetation in channels does not obstruct flow <input type="checkbox"/> Location shown on site map	Type _____ Areal extent _____	<input checked="" type="checkbox"/> N/A
Remarks: _____			
<b>D. Cover Penetrations</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Gas Vents</b> <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
2.	<b>Gas Monitoring Probes</b> <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
3.	<b>Monitoring Wells</b> (within surface area of landfill) <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input checked="" type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A		
Remarks: _____			
4.	<b>Leachate Extraction Wells</b> <input type="checkbox"/> Properly secured/locked <input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input type="checkbox"/> Evidence of leakage at penetration <input type="checkbox"/> Needs Maintenance <input checked="" type="checkbox"/> N/A		
Remarks: _____			
5.	<b>Settlement Monuments</b> <input type="checkbox"/> Located <input type="checkbox"/> Routinely surveyed <input checked="" type="checkbox"/> N/A		
Remarks: _____			
<b>E. Gas Collection and Treatment</b> <input checked="" type="checkbox"/> Applicable (2009 to 2013 ONLY) <input checked="" type="checkbox"/> N/A (SINCE LATE 2013)			
1.	<b>Gas Treatment Facilities (2009 to 2013)</b> <input checked="" type="checkbox"/> Flaring <input type="checkbox"/> Thermal destruction <input type="checkbox"/> Collection for reuse <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: <u>Operation of Gas Treatment facilities was discontinued in 2013 after the conversion to passive venting, but remain in place and can be re-started if needed. From 2009 to 2013, the flare and associated equipment was in good condition and good operational order.</u>		
2.	<b>Gas Collection Wells, Manifolds and Piping</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks: _____		
3.	<b>Gas Monitoring Facilities</b> (e.g., gas monitoring of adjacent homes or buildings) <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks: _____		
<b>F. Cover Drainage Layer</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	<b>Outlet Pipes Inspected</b> <input checked="" type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks: <u>Good Condition</u>		

2.	<b>Outlet Rock Inspected</b>	<input checked="" type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks: <b>Good Condition</b>			
<b>G. Detention/Sedimentation Ponds</b>			
		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	<b>Siltation</b>	Areal extent _____ Depth _____	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Siltation not evident
Remarks _____			
2.	<b>Erosion</b>	Areal extent _____ Depth _____	<input checked="" type="checkbox"/> Erosion not evident
Remarks _____			
3.	<b>Outlet Works</b>	<input checked="" type="checkbox"/> Functioning	<input type="checkbox"/> N/A
Remarks _____			
4.	<b>Dam</b>	<input type="checkbox"/> Functioning	<input checked="" type="checkbox"/> N/A
Remarks _____			
<b>H. Retaining Walls</b>			
		<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
1.	<b>Deformations</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Deformation not evident
Horizontal displacement _____		Vertical displacement _____	
Rotational displacement _____			
Remarks _____			
2.	<b>Degradation</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Degradation not evident
Remarks _____			
<b>I. Perimeter Ditches/Off-Site Discharge</b>			
		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	<b>Siltation</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Siltation not evident
Areal extent _____		Depth _____	
Remarks _____			
2.	<b>Vegetative Growth</b>	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A
		<input checked="" type="checkbox"/> Vegetation does not impede flow	
Areal extent _____		Type _____	
Remarks: <b><u>Vegetation in surface run-off channels at the site does not obstruct flow. Run-off channels are cleared of vegetation on a regular basis. During and prior to this Five Year Review Site Inspection, rain was present and visual observations confirmed that flow was not impeded.</u></b>			
3.	<b>Erosion</b>	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> Erosion not evident
Areal extent _____		Depth _____	
Remarks _____			
4.	<b>Discharge Structure</b>	<input type="checkbox"/> Functioning	<input checked="" type="checkbox"/> N/A
Remarks _____			



<b>VIII. VERTICAL BARRIER WALLS</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	<b>Settlement</b> <input type="checkbox"/> Location shown on site map <input type="checkbox"/> Settlement not evident Areal extent _____ Depth _____ Remarks _____	
2.	<b>Performance Monitoring</b> Type of monitoring _____ <input type="checkbox"/> Performance not monitored Frequency _____ <input type="checkbox"/> Evidence of breaching Head differential _____ Remarks _____	

<b>IX. GROUNDWATER / SURFACE WATER REMEDIES</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
<b>A. Groundwater Extraction Wells, Pumps. and Pipelines</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
1.	<b>Pumps, Wellhead Plumbing. and Electrical</b> <input type="checkbox"/> Good condition <input type="checkbox"/> All required wells properly operating <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: _____	
2.	<b>Extraction System Pipelines. Valves, Valve Boxes, and Other Appurtenances</b> <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: _____	
3.	<b>Spare Parts and Equipment</b> <input type="checkbox"/> Readily available <input type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks: _____	
<b>B. Surface Water Collection Structures, Pumps. and Pipelines</b> <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A		
1.	<b>Collection Structures, Pumps, and Electrical</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	
2.	<b>Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances</b> <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> NA Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	
3.	<b>Spare Parts and Equipment</b> <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks: <u><b>During and prior to this Five Year Review Site Inspection, visual observation and written reports confirm the continued effectiveness of surface stormwater controls.</b></u>	

<b>C. Treatment System</b> <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
1.	<b>Treatment Train</b> (Check components that apply) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input type="checkbox"/> Metals removal  <input type="checkbox"/> Air stripping  <input type="checkbox"/> Filters  <input type="checkbox"/> Additive (<i>e.g.</i>, chelation agent, flocculent)  <input type="checkbox"/> Others         </div> <div> <input type="checkbox"/> Oil/water separation  <input type="checkbox"/> Carbon adsorbers  <input type="checkbox"/> Good condition  <input type="checkbox"/> Sampling ports properly marked and functional  <input type="checkbox"/> Sampling/maintenance log displayed and up to date  <input type="checkbox"/> Equipment properly identified  <input type="checkbox"/> Quantity of groundwater treated annually  <input type="checkbox"/> Quantity of surface water treated annually         </div> <div> <input type="checkbox"/> Bioremediation  <input type="checkbox"/> Needs Maintenance         </div> </div> Remarks _____
2.	<b>Electrical Enclosures and Panels</b> (properly rated and functional) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____
3.	<b>Tanks, Vaults, Storage Vessels</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Proper secondary containment <input type="checkbox"/> Needs Maintenance Remarks _____
4.	<b>Discharge Structure and Appurtenances</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____
5.	<b>Treatment Building(s)</b> <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Good condition (esp. roof and doorways) <input type="checkbox"/> Needs repair <input type="checkbox"/> Chemicals and equipment properly stored Remarks _____
6.	<b>Monitoring Wells</b> (pump and treatment remedy) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input type="checkbox"/> Properly secured/locked  <input type="checkbox"/> All required wells located         </div> <div> <input type="checkbox"/> Functioning  <input type="checkbox"/> Needs Maintenance         </div> <div> <input type="checkbox"/> Routinely sampled  <input checked="" type="checkbox"/> Good condition  <input checked="" type="checkbox"/> N/A         </div> </div> Remarks _____
<b>D. Monitoring Data</b>	
1.	Monitoring Data <input checked="" type="checkbox"/> Is routinely submitted on time <input checked="" type="checkbox"/> Is of acceptable quality
2.	Monitoring data suggests: <input type="checkbox"/> Groundwater plume is effectively contained <input checked="" type="checkbox"/> Contaminant concentrations are declining <b><u>OR STABLE</u></b>
<b>E. Monitored Natural Attenuation</b>	

1. **Monitoring Wells** (~~natural attenuation~~ remedy)

☒ Properly secured/locked   ☒ Functioning   ☒ Routinely sampled   ☒ Good condition  
☒ All required wells located   ☐ Needs Maintenance   ☐ N/A

Remarks \_\_\_\_\_

**X. OTHER REMEDIES**

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction. **NONE.**

**XI. OVERALL OBSERVATIONS**

**A. Implementation of the Remedy:** Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

The remedy at the Tri-County/Elgin Landfills site is being implemented to achieve: containment of contaminated materials under a landfill cover; natural attenuation of low-level contaminants from groundwater to ultimately comply with drinking water or health-based standards in all groundwater outside of the waste boundaries; collection and venting of landfill gases; comprehensive monitoring to ensure the effectiveness of the remedy; and, institutional controls to limit land and ground water use.

The remedy at the Tri-County/Elgin Landfills Site currently protects human health and the environment in the short term. There are no current exposures to human health and the environment. The remedy currently protects human health and the environment in the short term because: the landfill caps and gas collection and venting systems are in place and operating properly; there is no evidence of a cap breach; the existing use of the Site property is consistent with the objectives of the landfill caps and land use restrictions; and because there is no evidence of unacceptable levels of groundwater contaminants away from the Site property or unacceptable groundwater use in the area of the plume.

The implemented remedy does not yet achieve ARARs because long-term achievement of MCLs or Illinois Groundwater Quality Standards has not yet been accomplished throughout the Site or plume. Groundwater monitoring data was reviewed and the lateral extent of the plume continues to remain stable. There is no evidence of exposure; there is no cracking, sliding, settlement of cap or other indicators of cap breaches; landfill gas is successfully and adequately being vented. ICs that prevent disturbance of the cap, landfill gas collection systems, and ground flare are in place.

The remedy selected by the 1992 ROD as modified by the ESDs for this site has been implemented and remains functional, operational and effective. As required by the 1999 Unilateral Administrative Orders, the potentially responsible parties are successfully implementing all other components of this remedy. Site access and use is restricted by topography and locked gates, and deed restrictions prevent unacceptable use of the Site property.

**B. Adequacy of O&M:** Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

The PRPs oversee environmental contractors for remedy repair, upkeep, and O&M. There are quarterly and annual activities that occur at the site. The landfill gas collection and venting system must be operated and maintained because it removes very low levels of VOCs from the waste fill that could otherwise be available for migration from the landfill, in addition to protecting adjacent properties and buildings from dangerous explosive gases. The gas and groundwater monitoring wells must be maintained because they are essential to ensure that landfill gas and contamination does not migrate from the landfill. The landfill cap must be maintained to prevent precipitation from infiltrating into the waste fill material to create leachate. Groundwater monitoring must be continued to document the reduction of contaminant concentrations and provide a warning of increased concentrations in, or a shifting of, the contaminant plume.

**C. Early Indicators of Potential Remedy Problems:** Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.

None.

**D. Opportunities for Optimization.** Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

**Opportunities for Optimization.** Because of the containment nature of landfill cap and landfill gas collection technologies, there are very limited opportunities for system optimization. Opportunities for optimization were assessed by U.S. EPA as part of the last two five-year reviews in 2009 and 2014. At this time, the only potential optimization activities for this remedy remains the possible use of alternative energy technology (such as solar energy), or reduction of site sampling frequency or locations. Although alternative energy technology is being considered at other landfill sites in Region 5, the energy needs of the Tri-County/Elgin Landfills site remedy are not excessive, limiting the cost effectiveness of such technology. Although the Site continues to generate methane at a very low rate, gas quantities are not substantial enough for implementation of a gas-to-energy system. The continued presence of inorganic contaminants and general chemistry indicators precludes any reduction of site sampling frequencies or locations at this time. It may be possible to discontinue analyses for organic chemical contaminants in groundwater samples because this type of contaminant has not been present in samples (approximately) for the past decade.

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# 2020 Annual Report

Tri-County and Elgin Landfills  
South Elgin, Kane County, Illinois

Prepared for:

United States Environmental Protection Agency  
Region V – Remedial Response Branch  
Office of Superfund  
77 W. Jackson Boulevard HSRL-6J  
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IEPA - DIVISION OF RECORDS MANAGEMENT  
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**SCS ENGINEERS**

25212003.00 | June 2021

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## Table of Contents

Section	Page
<b>1.0 Introduction.....</b>	<b>1</b>
1.1 Document Submittals .....	1
<b>2.0 Source Control Measures.....</b>	<b>1</b>
2.1 Progress Made During This Reporting Period.....	2
2.1.1 Tri-County Landfill.....	2
2.1.2 Elgin Landfill .....	3
2.2 Data Evaluation .....	4
2.2.1 Tri-County Landfill.....	4
2.2.2 Elgin Landfill .....	4
2.3 Projected Activities .....	5
2.4 Summary of Meetings .....	5
2.5 Conclusions.....	5
2.6 Recommendations .....	6
<b>3.0 Groundwater Control Measures.....</b>	<b>6</b>
3.1 Site Geology .....	7
3.2 Site Hydrogeology - Sample Locations.....	7
3.3 Progress Made During This Reporting Period.....	8
3.3.1 Groundwater Level Measurements.....	8
3.3.2 Groundwater Sampling .....	9
3.3.3 Analytical Results .....	9
3.3.4 Data Quality .....	10
3.3.4.1 General Information.....	10
3.3.4.2 Laboratory Quality Control .....	10
3.3.4.3 Quality Control Samples .....	10
3.3.4.4 Result Quantification .....	11
3.3.4.5 Completeness.....	12
3.3.4.6 Turbidity .....	12
3.4 Data Evaluation .....	12
3.4.1 Groundwater Elevation Data.....	12
3.4.2 Groundwater Quality Data.....	13
3.4.3 Indicator Parameters.....	13
3.4.3.1 Chloride.....	13
3.4.3.2 Total Dissolved Solids.....	14
3.4.3.3 Nitrate .....	15
3.4.4 Metals .....	16
3.4.4.1 Arsenic .....	16
3.4.4.2 Iron .....	16
3.4.4.3 Chromium .....	17
3.4.4.4 Manganese.....	18
3.4.4.5 Nickel .....	18
3.4.5 Private Wells .....	19

3.4.6	Natural Attenuation Parameters .....	19
3.5	Projected Activities .....	20
3.6	Summary of Meetings .....	20
3.7	Conclusions.....	20
3.8	Recommendations .....	21
4.0	Community Relations .....	22
5.0	2021 Activities.....	22

## Tables

Table 1	Groundwater Monitoring Schedule and Required Parameters
Table 2	Parameter List - Metals & Cyanide Analysis
Table 3	Parameter List - Indicator Analysis
Table 4	Groundwater Elevations - Tri-County Landfill
Table 5	Groundwater Elevations - Elgin Landfill
Table 6	Quantified Parameters for Field Duplicate Pairs
Table 7	Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells - Tri-County Landfill
Table 8	Exceedances of Illinois Class I Groundwater Quality Standards - Private Wells
Table 9	Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells - Elgin Landfill

## Figures

Figure 1	Site Features - Landfill Gas Control System
Figure 2	Site Features - Groundwater Monitoring Well Map
Figure 3	Shallow Wells - Water Table Flow Map, June 8, 2020
Figure 4	Intermediate Wells - Groundwater Flow Map, June 8, 2020

## Appendices

Appendix A	Annual Inspection Report - Tri-County Landfill
Appendix B	Completed Quarterly Site Inspection Forms - Tri-County Landfill
Appendix C	Quarterly Site Inspection Reports - Elgin Landfill
Appendix D	Laboratory Analytical Reports and EDD Files
Appendix E	Summary of Laboratory and Field Results
	E1 - Groundwater Monitoring Wells; Tri-County Landfill
	E2 - Groundwater Monitoring Wells; Elgin Landfill
	E3 - Private Wells
	E4 - Quality Control Samples
Appendix F	Job Narratives from Eurofins TestAmerica Laboratory Analytical Reports
Appendix G	Time-Concentration Plots of Parameters Exceeding Screening Criteria

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## **1.0 INTRODUCTION**

This annual progress report (Report) summarizes the operation and maintenance (O&M) activities performed by Waste Management of Illinois, Inc. (WMIL) and Republic Services, Inc. (RSI), (formerly Allied Waste, and previously Browning Ferris Industries) at the Tri-County/Elgin Landfills Superfund site (Site) in Kane County, Illinois, during the period January 1 through December 31, 2020. The activities are related to the O&M of the remedial components at the Site, which include:

- Source Control Measures
  - O&M of the landfill gas control system
  - Maintenance and monitoring of the landfill cap and Site access controls
- Groundwater Sampling and Analysis

The remedial components have been in place since 2001. Construction completion was documented in correspondence dated September 30, 2000, for the Tri-County portion of the Site, and November 1, 2001, for the former Elgin Landfill.

## **1.1 DOCUMENT SUBMITTALS**

An electronic copy of the 2019 Annual Report for the Site was submitted by transmittal letter from SCS Engineers (SCS) dated August 25, 2020, to John Fagiolo of the U.S. Environmental Protection Agency (USEPA) and to Chris Peters of the Illinois Environmental Protection Agency (IEPA) by transmittal letter dated August 26, 2020. These annual reports are reviewed by the USEPA and are considered in the periodic reviews of the Site (i.e., five-year reviews). The most recent review was presented in the document titled "Fourth Five-Year Review Report for Tri-County Landfill Co./Waste Management of Illinois, Inc. Superfund Site, Kane County, Illinois" dated September 11, 2019. The next five-year review for the Site is expected to be performed by USEPA in 2024.

In accordance with USEPA's request transmitted by email dated June 24, 2014, this document and future annual reports will be provided to USEPA solely in electronic/digital form. USEPA acknowledges that submittal of an electronic copy complies with any prior document submittal requirements.

## **2.0 SOURCE CONTROL MEASURES**

The source control remedial components for the Site generally include the landfill gas control system, the landfill cap, and Site access controls. The Tri-County and Elgin Landfills are adjacent but separate landfills, and are operated and maintained independently by different parties.

The Tri-County Landfill is approximately 46 acres and is maintained by WMIL. WMIL previously operated a hauling company on approximately 4 acres of that property, and the cap in that area is modified asphalt technology for waste containment facilities (MATCON™) pavement. The operations of the hauling company were discontinued during 2012. The building and structures associated with the former hauling operations were vacant until late 2016 when that portion of the property was leased to a firm that provides vehicle storage.

The remainder of the cap area generally includes a geomembrane and 18 inches of cover soil to minimize infiltration to the underlying waste. Surface water drainage from the paved area is directed through an oil-grit separator and then to perimeter ditches. Surface water from the other capped areas is channeled to an infiltration basin by perimeter drainageways.

The landfill gas control system included O&M of passive vents at 25 vertical landfill gas extraction wells and stick-ups for three horizontal trenches. WMIL engaged SCS to perform some of the O&M functions at the Tri-County portion of the Site during this reporting period (i.e., 2020). That O&M role generally includes periodic (i.e., quarterly) inspections of the landfill gas vents and monitoring of the perimeter probes, and the compilation of this annual report for the Tri-County Landfill portion of the Site. WMIL personnel from the adjacent Woodland Recycling and Disposal Facility (Woodland RDF) also support O&M activities on an as-needed basis.

Specific O&M activities include periodic inspections or monitoring of the landfill cap, perimeter access controls, storm water control features, gas vents, and four perimeter landfill gas probes. The operation and monitoring of the blower/flare and associated system components, including the gas wells, trenches, and condensate knockouts, was discontinued after the former active extraction points were converted to passive operation in April 2014. These features on the Tri-County portion of the Site are inspected annually. The former active extraction points, now operated as passive vents, are inspected quarterly. The vegetation atop the cap is mowed to control growth of woody vegetative species, and the MATCON™ portion of the cap is maintained as needed.

The Elgin Landfill is approximately 20 acres and is maintained by RSI. The landfill cap generally includes a geomembrane and 18 inches of cover soil to minimize infiltration. Storm water drains to two on-site detention ponds, and then is transmitted off site by perimeter ditches. RSI engaged Blue Flame Crew, LLC (Blue Flame) to perform the O&M activities on that portion of the Site during this reporting period. Their role, with regard to source control, generally includes periodic (i.e., quarterly) monitoring of the landfill gas wells and gas probes on that landfill, and inspections on that portion of the Site. The gas wells on the Elgin portion of the Site were converted to passive operation in August 2013. SCS was authorized by RSI to prepare this annual report to include the data from the Elgin portion of the Site.

Specific activities during this reporting period include quarterly inspections of the landfill cap, perimeter access controls, storm water control features, condensate knockout/lift station, 2 monitoring control stations, and monitoring of 19 landfill gas wells and 5 perimeter landfill gas probes. The vegetation atop the cap is mowed to control the growth of woody vegetative species.

The Site features are shown on **Figure 1**.

## **2.1      PROGRESS MADE DURING THIS REPORTING PERIOD**

### **2.1.1      Tri-County Landfill**

Operation of the blower/flare ceased in April 2014 after the landfill gas extraction points (i.e., wells and trenches) on the Tri-County and Elgin portions of the Site were converted to passive operation. Documentation of the conversion of the points were presented in prior annual reports for the Site.

Although the condition of the monitoring points, perimeter fence and access points (i.e., gates), and landfill cap are observed during the quarterly site visits, a site inspection is performed annually by WMIL personnel. The annual Site inspection during this reporting period was performed on November 2, 2020. A copy of the annual inspection report completed by WMIL is included in **Appendix A**.

SCS personnel performed the quarterly inspections of the landfill gas vents and sampling of the perimeter landfill gas probes in 2020. These items were completed on June 30, September 18, and December 28, 2020. The first quarter (i.e., March) 2020 monitoring event did not occur due to travel restrictions associated with the COVID-19 pandemic that were in place at that time. The landfill gas

probes are sampled using field instrumentation to monitor percent methane, percent oxygen, percent carbon dioxide, and pressure. The results from the quarterly gas vent inspections and gas probe monitoring are included on the completed field sheets provided in **Appendix B**.

Grassy vegetation on the landfill cap is maintained by periodic mowing. A minimum of approximately 50 percent of the vegetated area is mowed annually to leave undisturbed areas for bird nesting, and to promote diversity in plant species atop the cap while still controlling the growth of woody plant species. As noted on the SCS Site visit report from December 28, 2020, the western portion of the cap was mowed prior to that date.

Some woody vegetation growth is present in limited areas atop the cap that are not accessible by mowers, such as the rock-lined drainage ditches and adjacent to fencing. That vegetation is monitored and removed as necessary. Removal of woody vegetation from the ditches was not required in 2020. Mature trees are present at a number of locations outside the perimeter fencing; nearby trees occasionally fall onto the fence in remote areas at the Site. Clearing of woody vegetation from the fence was not required during the 2020 reporting period. Surface water ponds atop the cap in limited areas, generally within the drainage ditches where vegetation is thicker. The short-term ponding does not significantly affect the vegetation atop the cap; thus, no further actions are warranted. The areas will continue to be monitored during routine periodic inspections.

The soil/geomembrane cap appears to be functioning as designed. The vegetation on the cap is healthy, and the rock-lined drainageways are generally in good condition. The infiltration basin and its outlet are also in good condition.

The MATCON™ portion of the cap is generally in good condition. No routine maintenance of this portion of the cap was conducted in 2020. The operation of the oil-grit separator is typically evaluated during the routine site visits. The oil-grit separator inlet grate was cleared at the time of the routine quarterly site inspection on June 30, 2020. No other maintenance was required for the oil-grit separator during this reporting period (i.e., 2020).

The groundwater monitoring wells are inspected annually in conjunction with the associated sampling event by staff from Environmental Monitoring Technologies, Inc. (EMT). There were no issues identified in June 2020 that are likely to affect the quality of the samples from the groundwater monitoring wells. Monitoring well MW38S was noted as not being able to be locked due to the inner casing being too tall for the protective casing to fully close. The inner casing of MW38S was cut down to allow for the cap to lock properly on March 11, 2021, by SCS personnel. Minor items (i.e., rusted locks or well caps, surface seals below ground level, and difficult to locate wells) will be monitored and addressed in the future as warranted. The total well depth measurements from this sampling period are consistent with prior measurements and do not indicate any significant issues with accumulation of fines in the wells.

### **2.1.2 Elgin Landfill**

RSI's contractor, Blue Flame, visits the Elgin portion of the Site on a quarterly basis to inspect the landfill cap, perimeter access controls, storm water control features, condensate knockout/lift station, and monitoring control stations, and sample the landfill gas wells and perimeter landfill gas probes. These site inspections occurred on March 30, June 30, September 29, and December 18, 2020. Copies of the quarterly reports are included in **Appendix C**. Another contractor mows the vegetation atop the cap annually to control the growth of woody vegetation.

The perimeter landfill gas monitoring probes and gas wells associated with the Elgin portion of the Site were sampled quarterly during this reporting period. The probes and wells are sampled using

field instrumentation to monitor percent methane and pressure, among other parameters. The data are included on the field logs provided in **Appendix C**.

The groundwater monitoring wells are inspected annually in conjunction with the associated sampling event by staff from Civil and Environmental Consultants Inc. (CEC). No significant issues related to the condition of the monitoring wells were noted during this reporting period. The total well depth measurements from this sampling period are consistent with prior measurements and do not indicate any significant issues with accumulation of fines in the wells.

## **2.2 DATA EVALUATION**

### **2.2.1 Tri-County Landfill**

The soil/geomembrane and MATCON™ caps appear to be functioning as designed. The soil cover is in good condition and supports healthy grassy vegetation. Deep rooted, woody vegetation is adequately controlled. The MATCON™ pavement, access roads, surface water drainage features, and perimeter fencing are also in generally good condition. Periodic maintenance to minimize ponding in some sections of the surface water drainage ditches (i.e., minor grading and/or removal of woody vegetation), and sealing cracks in the MATCON™ pavement will continue to be necessary in the future. Areas of settlement within the MATCON™ pavement should be monitored and repaired if necessary. Although periodic removal of fallen tree limbs is necessary to maintain sections of the perimeter fencing, additional measures do not appear to be warranted given the location and condition of the Site. There was no evidence of unauthorized dumping, vandalism or trespassing during this reporting period (i.e., 2020) on the Tri-County portion of the Site.

The quarterly inspections of the passive vents and perimeter gas probes did not identify any problems with the operation of the vents or the condition of the probes during this reporting period. The completed inspection checklists from the three site visits during 2020 are included in **Appendix B**. Data from the three sampling events at the perimeter gas probes during 2020 are also presented on the completed monitoring forms included in **Appendix B**. The results indicate the presence of methane at concentrations above the Lower Explosive Limit (LEL), or 5 percent gas by volume, at one of the four probes (i.e., GP03). Methane was reported at GP03 at concentrations 37.0, 7.5, and 28.0 percent by volume during the June, September, and December sampling events, respectively. Positive pressure was not observed at that gas probe during this reporting period as each of the pressure measurements were negative, ranging from -0.03 to -0.14 inches of water.

While methane concentrations during this reporting period were greater than the LEL at one of the four probes, the concentrations were not consistent or associated with positive pressure; thus, gas migration is not likely significant. Local surface water features likely represent saturated shallow subsurface soil in the area, which would act to restrict subsurface migration of landfill gas. As shown on **Figure 1**, GP03 is located on the southwest corner of the Tri-County Landfill. The only nearby occupied structures are associated with the Woodland RDF gas to energy facility, where there are also active building methane monitors.

### **2.2.2 Elgin Landfill**

The quarterly inspection reports from this reporting period do not identify any significant issues with regard to the cap vegetation, access gates, slopes, ponds, or swales.

RSI's contractor continues to collect quarterly field data regarding gas quality from the converted wells (i.e., vents). Those data are consistent with points installed in waste. There were no operational issues noted with the landfill gas wells (i.e., vents) during this reporting period.

Two active methane monitors were reportedly provided to the occupants of the former ARC Disposal building by RSI in 2017. There were no reports that the methane alarms were activated during this reporting period (i.e., 2020).

Data from periodic quarterly sampling of the perimeter gas probes do not indicate the presence of methane; thus, there is no indication of landfill gas migration.

## **2.3 PROJECTED ACTIVITIES**

- Continued quarterly monitoring of the existing landfill gas probes and inspection of the passive vents at the Site to assure proper operation.
- Continued annual Site inspection, supported by quarterly observations during the routine monitoring events described above.
- If the recommendation subsequently presented in this report is approved, the components of the former active landfill gas control system (i.e., blower, flare and appurtenances) should be abandoned and/or removed from the Site. Those components have remained on site until passive operation was demonstrated to be effective, as described in USEPA's "Memo to the Site File Regarding Change to the Operation of the Landfill Gas System" dated January 31, 2013.
- Continued monitoring of the MATCON™ pavement, as part of the annual site inspections, with maintenance performed as needed at the Tri-County portion of the Site.
- Continued monitoring, and maintenance if necessary, of the oil/grit separator at the Tri-County portion of the Site.
- Continued periodic maintenance to minimize ponding in some sections of the surface water drainage ditches (i.e., minor grading and/or removal of woody vegetation) at the Tri-County portion of the Site.
- Woody vegetation will continue to be removed as needed from the perimeter fencing at the Site.
- Continue visual assessment of building methane monitors during the annual Site inspection to document the function of those units.

## **2.4 SUMMARY OF MEETINGS**

No meetings were convened in 2020.

## **2.5 CONCLUSIONS**

Based on the observations summarized in this Report, the source control measures (i.e., landfill cap and gas control systems) at the Site continue to be maintained in good condition and are functioning as designed. The Site access controls (i.e., perimeter fencing, gates, and signage) continue to be effective, as there were no reported incidences of damage to the remedial components at the Site.

## 2.6 RECOMMENDATIONS

- Continue, at a minimum, annual Site inspections of the landfill caps and Site access controls.
- Continue passive operation of the gas wells and trenches at the Site, and verify proper operation through quarterly inspections.
- Passive operation of the gas wells and trenches at the Site has been demonstrated to be effective, in that active operation of the landfill gas control system has not been necessary since the conversion to passive operation approximately 7 years ago. As such, the components of former active system (i.e., blower/flare & appurtenances) could be removed or abandoned. If methane is identified within a building, or concentrations with pressure at perimeter probes become an issue, nearby wells could be connected to a temporary, portable blower, or fitted with solar-powered vents.
- Continue quarterly inspections of the landfill gas control system, including the collection points (wells and trenches) and perimeter gas probes, and quarterly monitoring of the perimeter gas probes.
- Quarterly field monitoring of landfill gas quality, pressure/vacuum, and temperature at the vents (i.e., former wells) on the former Elgin Landfill could be discontinued.

## 3.0 GROUNDWATER CONTROL MEASURES

The Record of Decision (ROD) for the Site originally required that an active groundwater collection and treatment system be installed and operated at the Site to meet groundwater standards. However, based on projections made from sampling results during the Pre-Design Investigation (PDI), contaminant concentrations in groundwater were expected to achieve groundwater standards within a reasonable period of time through natural attenuation. Natural attenuation, which includes biodegradation and dispersion, is supported by implementation of the source control measures (cap and landfill gas control systems) at the Site. This change in remedy was documented in an Explanation of Significant Differences (ESD) to the ROD, and formed the basis for deferring the groundwater collection component of the remedy to allow for a period of observation.

In accordance with that approach, a groundwater monitoring plan for the Site was prepared to meet the following objectives: 1) provide early warning of a significant increase in groundwater contamination caused by a release of hazardous substances, pollutants, or contaminants from the Site after the Remedial Action (RA) and during the subsequent O&M period; 2) provide information on the effects that the RA has had on groundwater quality; 3) demonstrate the effectiveness of natural attenuation in conjunction with the landfill capping as an effective means of remediating groundwater contamination; and 4) verify that contaminated groundwater does not pose a threat to human health and the environment downgradient of the Site.

Requirements for the long-term groundwater monitoring on the Tri-County Landfill portion of the Site are detailed in a January 2002 document entitled "Remedial Action Long-Term Groundwater Monitoring Program." The requirements for the Elgin Landfill are included as a chapter in the document entitled "Operation and Maintenance Plan, Elgin Landfill Superfund Site," dated March 2003. The sampling and analytical program for both Elgin and Tri-County are summarized in **Table 1**. Please note that **Table 1** includes the modification granted by the USEPA correspondence dated April 10, 2015. This modification approved discontinuing analysis of groundwater samples for semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs). The locations of the monitoring wells sampled are shown on **Figure 2**.

### 3.1 SITE GEOLOGY

A brief summary of the Site geology and hydrogeology, as originally presented in the PDI report dated February 1996, is presented here for reference.

Unconsolidated deposits at the Site range in thickness from 70 to 90 feet. The deposits consist of two distinct geologic units deposited during the Wisconsinian glacial advance. The upper Henry unit is a sand and gravel outwash deposit. The lower Wedron unit is comprised of three distinctive clayey till members. These tills are referred to as the Yorkville, Malden, and Tiskilwa. Along the western portion of the Tri-County Landfill, the Robein Silt Formation/Glasford Formation are present and directly overlie bedrock.

The upper geologic unit at the Site consists of the Batavia Member of the Henry. The thickness of the Henry varies across the Site from less than 10 feet to 50 feet and is controlled, in part, by the topography of the underlying Yorkville till. To the south of the Site, where the ground surface elevations are lower, the Henry is thinner (less than 10 feet), and to the north of the Site, where it appears that the Yorkville is nonexistent, the Henry is approximately 50 feet thick. Within the limits of the Tri-County Landfill, all or most of the Henry has been removed.

The lower geologic unit, the Wedron Formation, consists of three distinctive clayey till members; the upper Yorkville, middle Malden, and lower Tiskilwa. The Yorkville is the upper glacial till at the Site. This unit is a gray to brown clayey, silty till with little sand. A predominant characteristic of the Yorkville is abundant dolomite limestone gravel. In addition, the Yorkville is shown to be a uniform silty clay soil with few sand seams present. The Yorkville ranges in thickness from approximately 65 feet in the southern portion of the Site to zero in the north, where it is shown to pinch-out north of the Site. The Malden is the middle glacial till unit at the Site. This unit is typically described as gray to brown silty and sandy material that in some areas grades upward to clayey till with discontinuous, but common, beds and lenses of gravel and sand. The thickness of the Malden in the vicinity of the Tri-County Landfill ranges from nonexistent to approximately 40 feet, with an average thickness of approximately 5 to 10 feet. The Tiskilwa is the lower glacial till at the Site and is a homogenous calcareous material. The Tiskilwa is generally a massive clayey till, and discontinuous pockets of gravel, sand, or silt exist within the upper portions of the till. The thickness of the Tiskilwa in the vicinity of the Tri-County Landfill ranges between nonexistent to approximately 35 feet with an average thickness of approximately 20 feet.

Unconsolidated deposits are directly underlain by Silurian sedimentary bedrock, consisting primarily of dolomite. The existing wells at the site generally do not penetrate further than 10 to 15 feet into bedrock. Bedrock topography at the Site generally slopes toward the Fox River Valley.

### 3.2 SITE HYDROGEOLOGY – SAMPLE LOCATIONS

The hydrogeology of the Site is divided into three vertically separated hydrostratigraphic zones: the shallow and intermediate groundwater zones and the bedrock aquifer (i.e., deep groundwater zone). The zones are generally separated from each other by low hydraulic conductivity soils. As shown on **Figure 2**, there are a total of 30 wells included on the sampling program for the Tri-County Landfill including:

- Eleven groundwater wells designated as MW1S, MW2SR, MW5SR, MW6S, MW10S, MW12SR, MW25S, MW38S, MW39S, MW41S, and G135, and two piezometers designated as PZ29 and PZ32 in the shallow zone.



- Ten groundwater wells designated as MW1I1, MW1I2, MW2IR, MW5IR, MW6I, MW10I, MW12IR, MW13IR, MW39I, and G142 in the intermediate zone.
- Three groundwater wells designated as MW1DR, MW40DR, and G112 in the deep zone (bedrock aquifer).
- Four private wells including the water supply wells at the Woodland Recycling and Disposal Facility (PW07), Chicago Stone (PW09), Midwest Wrecking Company/Everlast Blacktop and Seal Coating (PW22), and WMIL repair facility (PW23).

There are a total of 16 wells included on the sampling program for the Elgin Landfill, as shown on **Figure 2**, including:

- Six groundwater wells designated as MW9S, MW20S, MW21S, MW24S, MW36S, and MW37S in the shallow zone.
- Six groundwater wells designated as MW9I, MW22I, MW23I, MW36I, MW38I, and G141 in the intermediate zone.
- Four groundwater wells designated as MW9D, MW36D, MW38D, and G111 in the deep zone (bedrock aquifer).

Thus, there are a total of 19 sampling locations in the shallow zone, 16 sampling locations in the intermediate zone, and 7 points in the deep zone, not including the 4 private wells that are also likely located in the bedrock aquifer, included in the annual groundwater sampling program for the entire Site.

### **3.3 PROGRESS MADE DURING THIS REPORTING PERIOD**

The 2020 annual groundwater monitoring event at the Site was performed during the period of June 8 to 10, 2020. Initial water level measurements were collected at all Site monitoring wells on June 8, 2020. Personnel from EMT of Morton Grove, Illinois, sampled the wells associated with the Tri-County Landfill. Personnel from CEC of Lombard, Illinois, sampled the wells associated with the Elgin Landfill. Laboratory analysis of samples was provided by Eurofins TestAmerica (TA) of Buffalo, New York, except that analysis of samples for parameters with limited holding times (i.e., nitrate/nitrite) were subcontracted to and analyzed by local laboratories. EMT, of Morton Grove, Illinois, provided the nitrate/nitrite analysis for the samples from the Tri-County wells. First Environmental Laboratories of Naperville, Illinois, provided the nitrate/nitrite analysis for the samples from the Elgin wells. Samples are also collected from the wells and analyzed on site for a variety of field parameters.

A summary of the groundwater wells sampled, including the hydrostratigraphic unit and the required laboratory analyses for each well, is provided in **Table 1**. Analyses are grouped as metals and cyanide, and indicator parameters. The individual parameters within these groups are shown in **Tables 2 and 3**, respectively.

#### **3.3.1 Groundwater Level Measurements**

The depth-to-groundwater measurements, and the associated groundwater elevations, at each of the wells during the annual sampling event are summarized in **Tables 4 and 5**. The data in the tables includes the initial water elevations that were measured on June 8, 2020, before groundwater sampling activities commenced. **Tables 4 and 5** also include the measurements of total well depth

that were obtained as part of the annual sampling event. The total well depth measurements from 2019 are also included in **Tables 4 and 5**.

### **3.3.2 Groundwater Sampling**

The groundwater monitoring wells associated with the Tri-County Site were generally sampled using low flow sampling techniques, and the wells are generally equipped with dedicated sampling equipment. At the six wells (MW1S, MW10S, MW25S, MW38S, MW39S, and MW41S) that are not fitted with dedicated sampling equipment, disposable bailers are used to collect the samples.

The groundwater monitoring wells associated with the Elgin Landfill were generally sampled using non-dedicated or dedicated bladder pumps, and low flow sampling techniques. Non-dedicated pumps are decontaminated between sampling locations (i.e., wells).

Field sampling activities were documented on the field information forms/logs, which are included as an attachment to the electronic copies of the laboratory data reports. Electronic copies of the laboratory data reports are included in **Appendix D**. Pumping rates and purge volumes were monitored during the sampling process. The depth to water, pH, specific conductance, temperature, turbidity, dissolved oxygen, and oxidation-reduction (i.e., redox) potential measurements were taken at each groundwater monitoring well and documented on the field information forms. For wells sampled using low flow procedures, measurements were recorded at approximate 5-minute intervals during purging. Purging was considered complete when the field measurements stabilized for three successive readings within the following limits: 0.1 units for pH, 3 percent for specific conductance, 10 mv for redox potential, and 10 percent for turbidity and dissolved oxygen. The goal was to stabilize the turbidity measurements to below 10 Nephelometric Turbidity Units (NTUs) at the time of sampling. As with prior sampling events, there were five wells (MW1S, MW6I, MW10I, MW12IR, and MW25S) at Tri-County and four wells at Elgin (MW20S, MW36I, MW36S, and MW23I) where turbidity readings were above, and did not stabilize below, 10 NTUs.

Groundwater samples were collected in bottles provided by the laboratory and placed in insulated coolers on ice for shipment to the laboratory. Chain of custody forms were completed for each sample container (i.e., cooler). Copies of the chain of custody forms are also included in the laboratory analytical reports in **Appendix D**.

### **3.3.3 Analytical Results**

Summaries of the laboratory and field results from this reporting period are provided in **Appendix E**. The tables include:

- **Appendix E1** – Groundwater Monitoring Wells; Tri-County Landfill
- **Appendix E2** – Groundwater Monitoring Wells; Elgin Landfill
- **Appendix E3** – Private Wells
- **Appendix E4** – Quality Control Samples

Electronic data deliverables (EDDs), provided by TA, of the analytical results are also provided in **Appendix D**. As previously described, **Appendix D** also includes electronic copies of the laboratory analytical reports for the samples collected during this reporting period for the Tri-County and Elgin Landfills.

### **3.3.4 Data Quality**

#### **3.3.4.1 General Information**

The samples were shipped to TA for laboratory analysis for the parameters indicated in the approved monitoring plan. Upon arrival at TA, samples are checked, logged in, and an acknowledgement form is sent to confirm that samples have reached the laboratory in good condition and within the required method hold time(s).

Review of the laboratory information associated with the data from the 2020 sampling event for both the Tri-County and Elgin Sites indicates that all samples were received intact and within temperature requirements, and in a timely manner such that analysis was expected to be performed within the required method hold time(s).

#### **3.3.4.2 Laboratory Quality Control**

Data validation was accomplished by reviewing information provided by the laboratory (i.e., narratives, chain of custody forms, field information forms, etc.) to determine if there were any issues that would materially affect the data quality from this reporting period. Copies of the laboratory narratives from the TA reports from this period are included for reference in **Appendix F**. Electronic copies of these narratives and other relevant documents from this sampling period (i.e., chain of custody forms, field information forms) are included in the laboratory analytical reports in **Appendix D**.

The laboratory narratives describe a number of typical issues that arose during sample analysis (i.e., dilution, calibration verification, recoveries outside anticipated range, etc.). The items appear to have been resolved appropriately such that the data are expected to be acceptable for use. There were no quality control issues identified by the local subcontract laboratories, First Environmental Laboratories or EMT.

#### **3.3.4.3 Quality Control Samples**

There were a total of 5 field or equipment blanks, 5 duplicate samples, and 3 samples analyzed as matrix spike/matrix spike duplicates (MS/MSD) by the laboratory to further assess data quality during this sampling period. The laboratory data reports for those samples are included in **Appendix D** of this report. A summary of the data from analysis of those samples is included in **Appendix E4**.

Field and/or equipment blank samples are created in the field using the existing sampling equipment and a known clean water source, and accompany the samples to the laboratory. Analysis of field blanks can help assess potential impacts from sampling procedures and sampling equipment. Field and/or equipment blanks were prepared at wells MW40DR, MW25S, and G112 for Tri-County and wells MW20S and MW38I at Elgin during this sampling period. The only analytes quantified by the laboratory at concentrations greater than the identified reporting limits were chloride and sulfate in analysis of the field blank sample at MW38I, and total organic carbon (TOC) in the field blank sample at MW40DR. Each of the reported values were relatively low (i.e., < 3.5 milligrams per liter [mg/L]), and are likely associated with the water used to prepare the blank samples; thus, the data from analysis of the equipment or field blanks did not identify any compounds at concentrations that would indicate a potential impact on the data quality of the samples from the monitoring wells.

Three samples were collected for analysis as an MS/MSD during this reporting period. The samples were taken at wells MW2IR and MW13IR at Tri-County and well G111 at Elgin. In general, the results from analysis of MS/MSD samples indicated the recoveries were within the laboratory control limits for the majority of parameters. The results are not indicative of significant matrix interferences that would affect the quality of the data from analysis of the samples from this reporting period.

Duplicate samples were collected at wells MW21S and MW38I at Elgin, and MW2SR, MW5SR, and MW10S at Tri-County during this sampling period. The reproducibility of the data is evaluated as the relative percent difference (RPD) of the two results. The RPD is calculated for all analytes where at least one of the reported concentrations was greater than the reporting limit (RL). The comparison of the reported analytes in the duplicate pairs during the annual sampling event is shown in Table 6. Since more variability is expected with lower results, the RPD is highlighted in Table 6 and specifically discussed for analytes where at least one concentration is a minimum of five times greater than the RL. Using this criteria, the precision between the results is typically acceptable if the RPD is less than or equal to 15 percent. Data reproducibility, in terms of RPD, was within the expected range (0 to 15 percent) for most parameters. The RPD was equal to or greater than 15 percent in the following instances:

- Elgin
  - When comparing the results from analysis of the duplicate samples from well MW38I, the RPD was greater than 15 percent for one parameter – iron.
  - When comparing the results from analysis of the duplicate samples from well MW21S, the RPD was greater than 15 percent for one parameter - iron.
- Tri-County Landfill
  - When comparing the results from analysis of the duplicate samples from well MW10S, the RPD was greater than 15 percent for four parameters – alkalinity, aluminum, iron and manganese.

The RPD was not greater than 15 percent for any of the parameters in the samples from wells MW2SR and MW5SR.

The relatively few exceedances of the expected range (i.e., greater than 15 percent) in RPD, and lack of consistency of parameters where the RPD was greater than the criteria, indicates generally good reproducibility in the data from this reporting period. A lack of reproducibility at relatively low concentrations (i.e., near the reporting limit), and metals concentrations (i.e., iron) reported from analysis of samples from shallow wells where samples are not filtered, is expected.

The results from analysis of the samples described above do not indicate any consistent or significant problems with the laboratory analysis that would materially impact the data from analysis of groundwater samples at the Site from this reporting period.

#### **3.3.4.4 Result Quantification**

The laboratory may dilute samples to quantify the results. In that case, the associated detection and reporting limits (RLs) are increased by the dilution factor.

The laboratory RLs for undiluted samples were at or below the Federal Safe Drinking Water Act Maximum Contaminant Levels (MCLs) and/or the Illinois Class I Groundwater Quality Standards (ILGWQS) for all compounds in this reporting period.

### 3.3.4.5 Completeness

All of the wells listed on **Table 1** were sampled during this reporting period. The data provided by the laboratories from this reporting period were compared to the sampling and analytical requirements identified in **Table 1**. With regard to the private wells, samples were collected from each of the four identified locations. The samples from the monitoring wells and private wells were analyzed for the appropriate parameters.

A sample from well MW1S, associated with the Tri-County Landfill in the shallow zone, was inadvertently not analyzed for ferrous iron in the field. This deviation is minor and not expected to materially impact the analysis of the results from this reporting period.

Please note that a sample from well MW9I, associated with the Elgin Landfill in the intermediate zone, was inadvertently analyzed for metals and cyanide. As shown in **Table 1**, samples from this well are required to be analyzed for indicator parameters only. In that the data were available, they are included and evaluated in this Report.

### 3.3.4.6 Turbidity

Turbidity measurements taken during well purging and at the time of sampling were above 10 NTUs at nine monitoring wells during this sampling period. Each of these wells have been in place for more than 10 years and sampled on multiple occasions; thus, incomplete well development is not likely a contributing factor. The turbidity measurements above 10 NTUs were present at wells located in two of the three defined groundwater zones (shallow and intermediate) at the Site. These sample locations included four points in the shallow zone (i.e., MW1S, MW25S, MW20S, and MW36S) and five points in the intermediate zone (i.e., MW6I, MW10I, MW12IR, MW36I, and MW23I). The NTU measurements from this reporting period ranged up to 727 NTU in the sample from well MW25S.

## 3.4 DATA EVALUATION

### 3.4.1 Groundwater Elevation Data

Groundwater elevation data from this reporting period were used to compile the groundwater flow maps presented as **Figures 3 and 4** for the shallow and intermediate units. A groundwater flow map is not included for the deep zone due to the limited number of data points in that unit.

Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the intermediate zone is primarily to the south in the vicinity of the Site, with local components of flow away from the landfill on the western and eastern perimeters. The direction of groundwater flow is consistent year to year as documented in prior annual reports. With regard to the groundwater elevations in the deep zone, the highest elevation is on the northeast perimeter (i.e., MW9D) and the lowest near the west edge of the Site (i.e., G112). Thus, it appears that groundwater flow in the deep zone is toward the southwest, but with the limited number of data points it is difficult to develop a groundwater flow map with any accuracy.

Water elevations between the defined hydrostratigraphic units are also evaluated for vertical gradients to assess the connectivity between the identified groundwater bearing zones.

Based on a comparison of data from the nested wells (i.e., MW1S/111/112, MW2SR/2IR, MW5SR/5IR, MW6S/6I, MW10S/10I, and MW12SR/12IR), there is a potential for downward groundwater flow between the shallow and intermediate units south of the Tri-County Landfill, and

the measurements are consistent with the current interpretation that the units are separated by a layer of low permeability soil that restricts vertical groundwater flow. The downward gradient at the wells nested in the shallow and intermediate units ranged from 0.17 to 0.42 ft/ft.

There appears to be a slight downward gradient (i.e., less than or equal to 0.2 ft/ft) from the intermediate to deep zone in the southwest area of the Site, based on the data from the nested wells (i.e., G142/G112 and MW12IR/40DR) located there. Again, vertical groundwater flow is likely restricted by a layer of fine grain soil in this area.

Data from wells in the area to the north of the Elgin Landfill indicates a slight downward gradient (i.e., 0.00 to 0.11 ft/ft) from the shallow to intermediate zones based on the water elevations recorded at the MW36S/36I and MW9S/9I nests. Similarly slight downward gradients (i.e., 0.03 to 0.22 ft/ft) were observed from water level measurements in the intermediate to deep zone at well nests MW36I/36D, MW9I/MW9D, and MW38I/38D. Generally, vertical gradients appear to have a stronger downward component in the area to the south of the Tri-County Landfill compared to north of Elgin Landfill. Horizontal flow within the three identified groundwater zones is likely dominant in the area surrounding the Tri-County and Elgin Landfills.

Groundwater elevations calculated from the initial round of depth-to-water measurements at monitoring wells for the Tri-County and Elgin landfills are summarized in **Tables 4 and 5**, respectively. The groundwater flow maps are presented as **Figures 3 and 4**.

### 3.4.2 Groundwater Quality Data

The laboratory data and field measurements from the 2020 monitoring event are presented in the summary tables included as **Appendix E**. The tables also provide a comparison to the Federal Safe Drinking Water Act MCLs and the Class I ILGWQS established in 35 Illinois Administrative Code 620.410. These values were used as water quality screening criteria for the groundwater data. Parameters where the reported concentration is greater than the MCLs and/or Class I ILGWQSs are shown in bold and summarized in **Table 7** for the Tri-County wells, **Table 8** for the private wells, and **Table 9** for the Elgin wells. **Tables 7 and 9** also include the Class II and Class IV ILGWQS established in 35 Illinois Administrative Code 620.420, and 35 Illinois Administrative Code 620.440, respectively. In accordance with Section 620.220, groundwater in the vicinity of the Site may meet the definition of Class II: General Resource Groundwater. In accordance with 620.240(g), the Class IV ILGWQS may be applicable to groundwater within a previously mined area.

The only parameters reported at concentrations above the screening criteria were indicators (i.e., chloride, total dissolved solids [TDS], and nitrate) and metals (i.e., arsenic, iron, chromium, manganese, and nickel). Each of the exceedances is described below. To assist in data evaluation, time-concentration graphs were prepared for each laboratory parameter that exceeded the screening criteria. The time-concentration graphs, also referred to as plots, are presented in **Appendix G**.

### 3.4.3 Indicator Parameters

#### 3.4.3.1 Chloride

Chloride concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 200 mg/L) in samples collected from seven groundwater monitoring wells during this sampling period including G112, G142, MW12IR, MW111, and MW112 at Tri-County and G111 and MW36I at Elgin. These results are from analysis of samples from wells that are widely distributed geographically and within two of the three identified groundwater zones at the Site: intermediate (i.e., G142, MW111, MW112, MW12IR, and MW36I), and deep (i.e., G111 and G112). The chloride concentrations in excess of the

screening criteria during this reporting period range up to 682 mg/L; that concentration was reported in analysis of the sample from G112.

Chloride concentrations at monitoring wells in the intermediate zone (i.e., MW111, G142, MW121R, and MW361) are variable and can also vary over time. The chloride concentrations at wells MW361 and G142 are relatively high, but are generally decreasing over time. The chloride concentration at MW121R is variable, but results have stabilized during the last 6-8 years. The chloride concentration at monitoring well MW111 appears to be increasing over time, but has stabilized since 2015. Although chloride concentrations have been in excess of the Class I ILGWQS in the past (i.e., 2014), and consistent with the current result, the chloride concentration from analysis of the sample collected at MW112 during this reporting period is higher than recent prior results. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

The two wells where the chloride concentration exceeded the screening criteria in the deep groundwater zone are located on the west perimeter of the Site. The chloride concentration at well G112 appears to be generally increasing over time, but the current concentration is lower than the prior annual result. The chloride concentration at well G111 appears to have decreased over time and stabilized, especially since 2007.

The chloride concentration at MW40DR, another well located along the west perimeter of the Site in the deep zone, is typically variable over time and often in excess of the Class I ILGWQS. The result from this sampling period ( $< 1$  mg/L) is remarkably lower than results from analysis of prior samples from this well. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for chloride is 304 mg/L. IEPA has also established an intrawell statistical limit for chloride at well G142. This well is identified as G242 for the adjacent facility and is assigned a value of 1,291 mg/L as an applicable groundwater quality standard (AGQS) for dissolved chloride. This information confirms that there is a significant background contribution to the identified chloride concentrations. Finally, it should be noted that chloride is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for chloride and the exceedances are related only to the Class I ILGWQS of 200 mg/L.

### **3.4.3.2 Total Dissolved Solids**

TDS concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 1,200 mg/L) in samples collected from five groundwater monitoring wells during this sampling period including G112, MW40DR, MW41S and G142 at Tri-County and G111 at Elgin. The exceedances were identified in samples from wells located on the west perimeter of the Site and within each of the three identified groundwater zones at the Site: shallow (i.e., MW41S), intermediate (i.e., G142), and deep (i.e., G111, G112, and MW40DR). The TDS concentrations in excess of the screening criteria during this reporting period range up to 1,890 mg/L; that concentration was reported in analysis of the sample from G112.

Review of the time-concentration plots in **Appendix G** indicates that the TDS concentrations have generally decreased over time at wells in the shallow zone, but the concentrations are variable. The



TDS concentration from analysis of the sample collected at MW41S during this reporting period is lower than prior results, but consistent with or higher than some recent values.

TDS concentrations at monitoring wells in the intermediate zone (i.e., G142) also appear to be generally decreasing over time, but are variable.

TDS results from analysis of samples collected from wells in the deep groundwater zone are also variable. There is no apparent trend in TDS concentrations over time at well G111. TDS results are also variable over time at MW40DR; no trend is apparent. TDS concentrations are also variable at well G112, but concentrations appear to be generally increasing over time.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for TDS is 1,371 mg/L. IEPA has also established an intrawell statistical limit for TDS at well G142. This well is identified as G242 for the adjacent facility and is assigned a value of 3,571 mg/L as an AGQS for TDS. This information confirms that there is a significant background contribution to the identified TDS concentrations. Finally, it should be noted that TDS is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for TDS, and the exceedances are related only to the Class I ILGWQS of 1,200 mg/L.

#### **3.4.3.3 Nitrate**

Nitrate concentrations exceeded the screening criteria (i.e., MCL and Class I ILGWQS = 10 mg/L) in analysis of the groundwater samples collected from two monitoring wells in the shallow zone (i.e., MW2SR and MW41S at Tri-County) during this sampling period. The nitrate concentrations in excess of the screening criteria during this reporting period range up to 23 mg/L; that concentration was reported in analysis of the sample from MW41S. The screened section of MW41S is less than 30 feet below ground surface (bgs); thus, the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for nitrate is 100 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for nitrate is also 100 mg/L.

Review of the time-concentration plot in **Appendix G** indicates that the nitrate concentration at well MW41S is variable over time. The current concentration is lower than the results from analysis of the prior 3 annual samples. The cause and variability of the identified nitrate concentrations at MW41S is not apparent. The nitrate concentrations at MW2SR also vary over time. The current result is higher than the prior two annual results, but lower than the result from 2017. The identified nitrate concentrations and variation in results over time are not typical of groundwater contamination from a landfill.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for nitrate is 0.63 mg/L. This information suggests that there may be a background contribution to the identified nitrate concentration.

### **3.4.4 Metals**

#### **3.4.4.1 Arsenic**

The arsenic concentration exceeded the screening criteria (i.e., Class I ILGWQS and MCL=0.01 mg/L) in the groundwater sample collected from one monitoring well in the shallow zone (i.e., MW39S at Tri-County) during this sampling period. The concentration in the sample collected at MW39S during this reporting period was 0.011 mg/L. The screened section of MW39S is less than 15 feet bgs; thus, the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for arsenic is 0.2 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for arsenic is also 0.2 mg/L.

Review of the time-concentration plot in **Appendix G** indicates that the current result is lower than the result from 2019, thus there is no indication of an increase in concentration over time.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility - the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995 077 LFM, Site No. 0894830005. The local background value for arsenic is 0.0251 mg/L. This information confirms that there is a potential for background contribution to the identified arsenic concentration.

#### **3.4.4.2 Iron**

Iron concentrations exceeded the screening criteria (i.e., Class I ILGWQS = 5 mg/L) in samples collected from six monitoring wells during this sampling period including MW39S, MW40DR, and MW6S at Tri-County and MW20S, MW36I, and G111 at Elgin. These results are from analysis of samples from wells that are widely distributed geographically and within each of the three identified groundwater zones at the Site: shallow (i.e., MW6S, MW39S, and MW20S), intermediate (i.e., MW36I), and deep (i.e., MW40DR and G111). The iron concentrations in excess of the screening criteria range up to 16.1 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow and intermediate zones are less than 45 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, there is no standard for iron. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e. Class II) standards may apply. The Class II standard for iron is also 5 mg/L.

Review of the time-concentration plots in **Appendix G** indicates that total iron concentrations are variable over time, especially at wells in the shallow and intermediate groundwater zones.

The iron concentrations at well MW6S are more stable over time than concentrations at other wells in the shallow groundwater zone (i.e., MW20S or MW39S).

Within the intermediate zone, results from analysis of the sample from MW36I shows that the concentration of iron is relatively stable at that well. The anomalously high iron concentration reported from analysis of the sample collected from well MW23I in 2017 was not confirmed by the results from analysis of the samples collected in during subsequent reporting periods. The iron concentration at well MW22I appears to be decreasing over time.

In the deep zone, the iron concentration at well G111 from this reporting period is higher than the result from the prior sampling period (i.e., 2019), but still consistent with a general decrease in concentration over time. The concentration of iron at MW40DR continues to vary over time.

It should be noted that the IEPA has established background values for local groundwater and well-specific (i.e., intrawell) statistical limits for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for total iron is 8.86 mg/L. This information confirms that there is a significant background contribution to the identified iron concentrations. Finally, it should be noted that iron is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for iron, and the exceedances are related only to the Class I ILGWQS of 5 mg/L.

#### **3.4.4.3 Chromium**

Chromium concentrations exceeded the screening criteria (i.e., Class I ILGWQS and MCL=0.1 mg/L) in samples collected from five wells during this sampling period including MW12IR and MW38S at Tri-County and MW20S, MW9I, and MW38D at Elgin. These wells are located along the north and south perimeter of the Site. These results are from analysis of samples from wells that are widely distributed geographically (i.e., north and south perimeter of the Site) and within each of the three identified groundwater zones at the Site: shallow (i.e., MW20S and MW38S), intermediate (i.e., MW12IR and MW9I), and deep (i.e., MW38D). The chromium concentrations in excess of the screening criteria range up to 8.6 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow zone extends to approximately 30 feet bgs, and the intermediate zone wells to approximately 50 feet bgs, thus the Class IV groundwater standards may be applicable since the well is likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, the standard for chromium is 1 mg/L. In any case, the groundwater at that depth is not likely potable, thus the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for chromium is also 1 mg/L.

Please note that a sample from well MW9I, associated with the Elgin Landfill in the intermediate zone, was inadvertently analyzed for metals and cyanide. As shown in **Table 1**, samples from this well are required to be analyzed for indicator parameters only. In that the data were available, they are included and evaluated in this Report. The chromium concentration was the only parameter in excess of the screening criteria in analysis of samples from this well.

Review of the time concentration plots in **Appendix G** for chromium at monitoring wells in the shallow zone (i.e., MW20S and MW38S) indicate that the concentrations vary significantly over time.

Chromium concentrations at wells in the intermediate zone (i.e., MW12IR and MW9I) are also variable, but the magnitude of the variations in concentration are less than at wells in the shallow zone.

The chromium result from analysis of the sample from MW38D from this reporting period is an anomaly. Results from analysis of future annual samples from this well will be reviewed to further assess the significance of the current result.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM,

Site No. 0894830005. The local background value for chromium is 0.01 mg/L. This information suggests that there may be a background contribution to the identified chromium concentrations.

#### **3.4.4.4 Manganese**

Manganese concentrations exceeded the screening criteria (i.e., Class I ILGWQS=0.15 mg/L) in samples collected from 11 wells during this sampling period including MW12SR, MW38S, MW39I, MW39S, MW5SR, and MW6S at Tri-County and MW36D, MW20S, MW22I, MW36I, and MW38D at Elgin.

These results are from analysis of samples from wells that are widely distributed geographically and within each of the three identified groundwater zones at the Site: shallow (i.e., MW12SR, MW38S, MW39S, MW5SR, MW6S, and MW20S), intermediate (i.e., MW39I, MW22I, and MW36I), and deep (i.e., MW36D and MW38D). The manganese concentrations in excess of the screening criteria range up to 2.3 mg/L; that concentration was reported in analysis of the sample from MW39S. The screened section of the wells in the shallow and intermediate zones are less than approximately 50 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that case, there is no standard for manganese. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for manganese is 10 mg/L.

Review of the time-concentration plots in **Appendix G** show variability in manganese concentrations over time at most of the wells. Total manganese concentrations are variable over time in all three groundwater zones at the site, but especially at wells in the shallow groundwater zone. The highest concentrations of total manganese, and greatest number of wells where concentrations are in exceedance of the screening criteria, are identified at wells located in the shallow groundwater zone. There are fewer wells where the concentration exceeded the screening criteria in the intermediate and deep groundwater zones, respectively.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995-077-LFM, Site No. 0894830005. The local background value for manganese is 0.048 mg/L. This information confirms that there is a significant background contribution to the identified manganese concentrations. Finally, it should be noted that manganese is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. As such, there is no MCL for manganese and the exceedances are related only to the Class I ILGWQS of 0.15 mg/L.

#### **3.4.4.5 Nickel**

Nickel concentrations exceeded the screening criteria (i.e., Class I ILGWQS=0.10 mg/L) in samples collected from two groundwater monitoring wells during this sampling period including MW20S and MW36S at Elgin.

These results are from analysis of samples from monitoring wells located along the north and east perimeter of the Site, screened within the shallow groundwater zone. The nickel concentrations in excess of the screening criteria range up to 1.6 mg/L; that concentration was reported in analysis of the sample from MW20S. The screened section of the wells in the shallow zone are less than approximately 30 feet bgs; thus, the Class IV groundwater standards may be applicable since the wells are likely located in an area affected by prior removal of sand & gravel (i.e., mining). In that

case, there is no standard for nickel. In any case, the groundwater at that depth is not likely potable; thus, the general resource groundwater (i.e., Class II) standards may apply. The Class II standard for nickel is 2 mg/L.

Review of the time-concentration plots in **Appendix G** for nickel in samples from wells MW20S and MW36S suggests that the concentration varies over time.

It should be noted that the IEPA has established background values, for local groundwater, for certain parameters in conjunction with the permit granted for the adjacent solid waste disposal facility – the Woodland Recycling and Disposal Facility, IEPA Permit No. 1995 077 LFM, Site No. 0894830005. The local background value for nickel is 0.040 mg/L. This information confirms that there is a significant background contribution to the identified nickel concentrations. Finally, it should be noted that nickel is a public welfare or indicator parameter, and concentrations exceeding the screening criteria are not indicative of a health concern. There is no MCL for nickel; thus, the exceedances are related only to the Class I ILGWQS of 0.1 mg/L.

### **3.4.5 Private Wells**

Exceedances of the screening criteria were identified from laboratory analysis of samples from two of the four private wells sampled during this reporting period:

- The sample from PW07 was reportedly taken at the bathroom sink in the Woodland Landfill office. The results from analysis of that sample exceeded a screening criterion (i.e., Class I ILGWQS) for two parameters (i.e., chloride and TDS). The current results are consistent with past data from this sample point. It should be noted that the well is used only as a non-potable water source. Bottled water is provided for drinking at the facility.
- The sample from PW23 was reportedly collected at a bathroom sink within the WMIL vehicle maintenance facility. The results from analysis of that sample exceeded a screening criterion (i.e., Class I ILGWQS) for one parameter (i.e., chloride). The well is reportedly inactive for extended periods of time and only used as a non-potable water source. The current chloride concentration is within the range of values established by analysis of prior samples from this well. Bottled water is provided for drinking at the facility.

It should be noted that each of these parameters (i.e., chloride and TDS) are public welfare or indicator parameters, and concentrations exceeding the screening criteria are not indicative of a health concern; thus, there is not an MCL established for these parameters.

### **3.4.6 Natural Attenuation Parameters**

The results from this reporting period were reviewed to assess the potential for natural attenuation. Relevant field parameters or laboratory results include dissolved oxygen (DO), oxidation reduction potential (Eh/ORP), metals (manganese and iron), sulfate, and nitrate/nitrite. Iron analysis is performed as both a field parameter (ferrous iron) and by the laboratory (total iron).

DO data collected as field measurements during well sampling range from 0 to 8.6 mg/L during this sampling period. The results at approximately 30 percent of the Site wells were greater than 2.0 mg/L, and 35 percent of the results were greater than 1.0 mg/L. The range in DO results is consistent with natural attenuation in an aerobic or anaerobic environment.

Eh/ORP field measurements are negative at approximately 60 percent the sampling locations (i.e., wells). The majority of the negative values were reported from analysis of samples collected at wells screened in the intermediate and deep zones. The majority of the positive results were observed at wells screened in the shallow zone.

Analysis for ferrous iron ( $\text{Fe}^{+2}$ ) was performed in the field on samples from each of the monitoring wells except for MW1S, where analysis of a sample was inadvertently omitted. Ferrous iron was quantified in all but six of the samples collected at the Tri-County wells. Ferrous iron was quantified in all but one of the samples collected at the Elgin wells. Wells located in the vicinity of the Tri-County site had ferrous iron concentrations at or below 1.0 mg/L in 17 of the 23 monitoring wells. Ferrous iron concentrations were at or below 1.0 mg/L in 12 of the 16 Elgin Landfill monitoring wells. These results are consistent with electron transfer (i.e., iron reduction), which is evidence of natural attenuation. It should be noted that the ferrous iron result from analysis of the sample from MW20S was above the range of the instrument utilized (i.e., 3.0 mg/L).

Laboratory results for metals (i.e., iron and manganese), sulfate, and nitrate/nitrite are all generally consistent with an aerobic environment away from the waste mass and limited areas in proximity to the waste where conditions are reducing (i.e., anaerobic). There is no evidence of areas of severe reducing conditions where sulfate and nitrate would be reduced. The reducing environment may mobilize natural metals in soil (i.e., iron and manganese), but when exposed to an aerobic environment, these metals typically revert to the oxidized state and sorb to soil. These conditions are expected to support natural attenuation.

### **3.5 PROJECTED ACTIVITIES**

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified in Section 3.8 of this report are approved by the USEPA.

### **3.6 SUMMARY OF MEETINGS**

No meetings were convened in 2020.

### **3.7 CONCLUSIONS**

The data from the 2020 annual sampling event at the Site are generally complete and acceptable for use. Review of laboratory quality control data and results from analysis of quality control samples do not indicate any significant issues with regard to data quality. Except for the one item noted, Site monitoring wells were sampled and analysis was performed as required during this sampling period.

The data from this sampling period are generally consistent with data from prior annual sampling events. There were no concentrations of mercury or cyanide identified above the MCLs established under the Federal Safe Drinking Water Act or the Class I ILGWQS established under 35 Illinois Administrative Code 620.410 in the samples collected during this reporting period.

Turbidity in well samples above 10 NTUs occurred at a number of monitoring locations and appears to be naturally occurring and not related to well construction or sampling techniques. Groundwater samples are collected from monitoring wells using low-flow techniques and are not filtered prior to laboratory analysis. This practice may be related to the noted variability in results, especially with regard to metals (i.e., iron, manganese, chromium, nickel, and arsenic) concentrations. Elevated metals concentrations in groundwater can be associated with sediment (i.e., turbidity), but are not mobile in groundwater. No changes to the sampling procedures are warranted.

There were a total of 39 results from analysis of samples from the groundwater monitoring wells during this reporting period that met or exceeded an MCL or Class I ILGWQS. Only eight of those exceedances were related to an MCL. The MCL exceedances were associated with three parameters (i.e., arsenic, chromium and nitrate). Most of the exceedances (i.e., 17) are results from analysis of samples from wells in the shallow groundwater zone. There were four results in the data from laboratory analysis of the sample from well MW20S that exceeded the screening criteria (i.e., MCL or Class I ILGWQS); that was the highest number of exceedances at any single well. Although the concentrations over time of a number of indicator parameters or metals exhibit some variability, especially at wells in the shallow groundwater zone, groundwater quality in the vicinity of the Site is generally stable. The variations in concentration in the shallow and intermediate zone, and indirectly in the bedrock, may be related to prior sand and gravel mining in the vicinity of the Site. As such, Class IV (i.e., Other Groundwater) ILGWQS may be applicable. In any case, the groundwater in the shallow and intermediate zones is not likely usable as a potable water source; thus, the Class II (General Resource) ILGWQS may also be applicable. There is only one concentration (chromium at MW20S) in excess of the Class IV ILGWQS.

The results from analysis of samples from four private wells in the vicinity of the Site do not indicate site-related impacts. Although the concentrations of one or more parameters exceeded the screening criteria (i.e., Class I ILGWQS) in samples from two of the four wells, the well water is reportedly used only as a non-potable water source at those two locations.

Groundwater flow in the shallow zone is primarily toward the west, with the flow in the northern and southern areas of the landfill being toward the north and south, respectively. Groundwater flow in the intermediate zone is primarily to the south in the vicinity of the Site, with local components of flow away from the landfill on the western and eastern perimeter. Groundwater flow in the deep zone appears to also be toward the south. Data from measurements at nested wells indicate slight downward gradients between the shallow/intermediate and intermediate/deep zones in the vicinity of the Site, where vertical flow is impeded by the presence of fine grain (i.e., low permeability) soil.

Natural attenuation continues to be effective in reducing the concentration of contaminants in the vicinity of the Site. While there may be areas in the vicinity of the waste mass where anaerobic (i.e., reducing) conditions exist in groundwater, the data described above indicate that groundwater conditions further away from the waste mass are generally aerobic.

### **3.8 RECOMMENDATIONS**

In that groundwater conditions are stable, and mercury and cyanide continue to not be quantified at concentrations above reporting limits in groundwater samples, analysis for these parameters should be discontinued.

The conditions at the Site warrant consideration of delisting from the National Priorities List (NPL) or a reduction in the frequency of groundwater sampling. Groundwater sampling could be performed every 5 years so that the data are available to support USEPA's periodic Site reviews. Periodic inspections (quarterly or annual) for the Tri-County and Elgin landfills would continue to be performed and the reports submitted to USEPA by WMIL and RSI. The data from the groundwater sampling event would be evaluated in a technical report that would be submitted to USEPA for consideration in its five-year reviews for the Site. The preparation and submittal of these annual reports would be discontinued. Options for future actions at the Site should be considered in conjunction with the ongoing five-year reviews, with discussion occurring so that the options for future actions would be included in the next review for the Site in 2024. That review will be the fifth five-year review subsequent to completion of construction of the RA at the Site.



## **4.0 COMMUNITY RELATIONS**

WMIL maintains contact with the Wildlife Habitat Council (WHC) to improve the wildlife habitat at the Woodland Landfill. WMIL has implemented recommendations from WHC that continue to contribute to wildlife habitat enhancements. These enhancements have expanded to the Tri-County Landfill portion of the Site. The work includes a mowing schedule to promote diversity of vegetative species and minimize disturbance to nesting birds; and installation of cover boards for reptiles and birdhouses for purple martins, bluebirds, and wood ducks.

## **5.0 2021 ACTIVITIES**

Continued groundwater sampling and analysis in accordance with the current plan, unless recommendations identified herein are approved by the USEPA. Routine O&M data for 2021 will be summarized in an annual report, to be submitted in 2022.

**Table 1. Groundwater Monitoring Schedule and Required Parameters**  
**Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Landfill	Well	Hydrostatic Unit Location	Metals and Cyanide	Indicator Parameters	Water Levels
Tri-County	G135	Shallow		A	A
Tri-County	MW1S	Shallow		A	A
Tri-County	MW2SR	Shallow	A	A	A
Tri-County	MW5SR	Shallow	A	A	A
Tri-County	MW6S	Shallow	A	A	A
Tri-County	MW10S	Shallow	A	A	A
Tri-County	MW12SR	Shallow	A	A	A
Tri-County	MW25S	Shallow		A	A
Tri-County	MW38S	Shallow	A	A	A
Tri-County	MW39S	Shallow	A	A	A
Tri-County	MW41S	Shallow	A	A	A
Tri-County	PZ29	Shallow-Piezometer			A
Tri-County	PZ32	Shallow-Piezometer			A
Tri-County	G142	Intermediate	A	A	A
Tri-County	MW111	Intermediate		A	
Tri-County	MW112	Intermediate		A	
Tri-County	MW21R	Intermediate	A	A	A
Tri-County	MW51R	Intermediate	A	A	A
Tri-County	MW06I	Intermediate	A	A	A
Tri-County	MW10I	Intermediate	A	A	A
Tri-County	MW121R	Intermediate	A	A	A
Tri-County	MW131R	Intermediate	A	A	A
Tri-County	MW39I	Intermediate	A	A	A
Tri-County	G112	Deep		A	A
Tri-County	MW1DR	Deep		A	A
Tri-County	MW40DR	Deep	A	A	A
Tri-County	PW07	Private Well	A	A	
Tri-County	PW09	Private Well	A	A	
Tri-County	PW22	Private Well	A	A	
Tri-County	PW23	Private Well	A	A	
Elgin	MW9S	Shallow		A	A
Elgin	MW20S	Shallow	A	A	A
Elgin	MW21S	Shallow	A	A	A
Elgin	MW24S	Shallow	A	A	A
Elgin	MW36S	Shallow	A	A	A
Elgin	MW37S	Shallow	A	A	A
Elgin	MW9I	Intermediate		A	A
Elgin	MW22I	Intermediate	A	A	A
Elgin	MW23I	Intermediate	A	A	A
Elgin	MW36I	Intermediate	A	A	A
Elgin	MW38I	Intermediate	A	A	A
Elgin	G141	Intermediate	A	A	A
Elgin	MW9D	Deep			A
Elgin	MW36D	Deep	A	A	A
Elgin	MW38D	Deep	A	A	A
Elgin	G111	Deep	A	A	A

**Notes:**

A = sampled annually

PW07 - located in sink of bathroom at office at Woodland Landfill Gas Energy Plant.

PW09 - Spigot off of large water tank in tool shed at Elgin Chicago Stone. Large tank is designated water source as per site supervisor.

PW22 - Sink between Men's bathroom and drinking fountain in hallway between Everlast Blacktop and Midwest Wrecking.

PW23 - Bathroom sink in maintenance shop.

**Table 2. Parameter List – Metals & Cyanide Analysis**  
**Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Parameter Name	RL	Units
Aluminum (total)	0.06	mg/l
Antimony (total)	0.006	mg/l
Arsenic (total)	0.001	mg/l
Barium (total)	0.005	mg/l
Beryllium (total)	0.001	mg/l
Cadmium (total)	0.001	mg/l
Calcium (total)	0.1	mg/l
Chromium (total)	0.003	mg/l
Cobalt (total)	0.003	mg/l
Copper (total)	0.004	mg/l
Iron (total)	0.06	mg/l
Lead (total)	0.001	mg/l
Magnesium (total)	0.05	mg/l
Manganese (total)	0.001	mg/l
Mercury (total)	0.0002	mg/l
Nickel (total)	0.004	mg/l
Potassium (total)	0.2	mg/l
Selenium (total)	0.01	mg/l
Silver (total)	0.004	mg/l
Sodium (total)	1	mg/l
Thallium (total)	0.002	mg/l
Vanadium (total)	0.003	mg/l
Zinc (total)	0.005	mg/l
Cyanide (total)	0.02	mg/l

**Notes:**

mg/l = milligrams per liter

RL = Reporting Limit for undiluted samples at Eurofins TestAmerica Laboratories, Inc.

**Table 3. Parameter List – Indicator Analysis**  
**Tri-County and Elgin Landfills / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Parameter Name	RL	Units
Alkalinity, total (as CaCO <sub>3</sub> )	10	mg/l
Chloride (total)	1	mg/l
N-Nitrate (total)	0.05	mg/l as N
N-Nitrite (total)	0.05	mg/l as N
Sulfate (total)	1	mg/l
Sulfide (total)	1000	µg/l
Total Suspended Solids	4	mg/l
Total Dissolved Solids	10	mg/l
Total Organic Carbon	1	mg/l
Ferrous Iron	NA	mg/l

**Notes:**

mg/l = milligrams per liter

µg/l = micrograms per liter

RL = Reporting Limit for undiluted samples at Eurofins TestAmerica Laboratories, Inc.

Nitrate and Nitrite analysis subcontracted to Environmental Monitoring and Technologies, Inc. for Tri-County Landfill well samples and to First Environmental Laboratories, Inc. for Elgin Landfill well samples. The identified RLs are maximum values for undiluted samples.

NA – Ferrous iron results are from field analysis; RL is not applicable

**Table 4. Groundwater Elevations**  
**Tri-County Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Well	Sample Date	Groundwater Zone	Top of Casing Elevation (famsl)	Depth to Water (feet)	Groundwater Elevation (famsl)	Total Depth 2020 (feet)	Total Depth 2019 (feet)	Difference in Total Depth
G135	6/8/2020	Shallow	759.16	19.41	739.75	28.2	28.2	0.0
MW1S	6/8/2020	Shallow	741.14	3.79	737.35	10.5	10.6	0.0
MW2SR	6/8/2020	Shallow	759.26	18.37	740.89	26.1	26.1	0.0
MW5SR	6/8/2020	Shallow	748.17	7.76	740.41	22.9	22.9	0.0
MW6S	6/8/2020	Shallow	743.96	2.52	741.44	14.6	14.6	0.0
MW10S	6/8/2020	Shallow	756.64	11.75	744.89	20.8	20.8	0.0
MW12SR	6/8/2020	Shallow	757.37	17.06	740.31	24.4	24.4	0.0
MW25S	6/8/2020	Shallow	749.22	11.29	737.93	15.3	15.3	0.1
MW38S	6/8/2020	Shallow	755.03	9.02	746.01	17.0	17.1	0.0
MW39S	6/8/2020	Shallow	739.45	4.08	735.37	15.2	15.4	-0.3
MW41S	6/8/2020	Shallow	757.34	16.04	741.30	28.1	28.0	0.1
PZ29	6/8/2020	Shallow	757.48	9.99	747.49	16.6	16.6	0.0
PZ32	6/8/2020	Shallow	760.74	19.63	741.11	21.9	21.9	0.0
G142	6/8/2020	Intermediate	759.16	19.13	740.03	34.8	34.8	0.0
MW11I	6/8/2020	Intermediate	740.97	13.40	727.57	33.9	33.9	0.0
MW112	6/8/2020	Intermediate	741.30	11.28	730.02	51.9	51.9	0.0
MW21R	6/8/2020	Intermediate	759.15	23.40	735.75	50.0	50.1	-0.1
MW51R	6/8/2020	Intermediate	746.87	12.31	734.56	38.1	38.0	0.1
MW6I	6/8/2020	Intermediate	743.94	11.11	732.83	38.5	38.5	0.0
MW10I	6/8/2020	Intermediate	756.12	20.01	736.11	55.7	55.7	0.0
MW121R	6/8/2020	Intermediate	757.20	21.53	735.67	52.2	52.1	0.1
MW131R	6/8/2020	Intermediate	757.60	22.01	735.59	37.1	37.1	0.0
MW39I	6/8/2020	Intermediate	738.91	11.93	726.98	32.6	32.7	-0.1
G112	6/8/2020	Deep	759.41	33.96	725.45	109.4	109.4	0.0
MW1DR	6/8/2020	Deep	742.39	12.51	729.88	85.5	85.4	0.1
MW40DR	6/8/2020	Deep	757.43	26.71	730.72	107.8	107.7	0.1

**Abbreviations:**

famsl = feet above mean sea level

**Notes:**

- 1) Initial groundwater elevations were recorded by Environmental Monitoring Technologies, Inc. (EMT) on June 8, 2020 prior to sampling.
- 2) Water elevations are the only required monitoring information collected at monitoring wells PZ29 and PZ32.
- 3) Total depth measurements are taken annually, after sample collection is completed. 2019 total depth measurements provided for reference.
- 4) Top of Casing Elevations at G112 and G142 resurveyed on August 5, 2019.

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Checked by: <u>MCK</u>	Date: <u>7/20/2020</u>

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**Table 5. Groundwater Elevations  
Elgin Landfill / SCS Engineers Project No. 25212016.00**

Well ID	Sample Date	Groundwater Zone	Top of Casing Elevation (famsl)	Depth to Water (feet)	Groundwater Elevation (famsl)	Total Depth 2020 (feet)	Total Depth 2019 (feet)	Difference in Total Depth
MW9S	6/8/2020	Shallow	748.49	9.25	739.24	17.1	16.8	0.3
MW20S	6/8/2020	Shallow	766.75	28.60	738.15	32.7	32.5	0.3
MW21S	6/8/2020	Shallow	766.49	29.20	737.29	44.6	44.3	0.3
MW24S	6/8/2020	Shallow	763.82	22.95	740.87	30.0	29.7	0.3
MW36S	6/8/2020	Shallow	766.85	29.55	737.30	35.5	35.2	0.3
MW37S	6/8/2020	Shallow	764.65	27.20	737.45	30.0	29.7	0.3
G141	6/8/2020	Intermediate	761.93	28.05	733.88	61.1	60.8	0.3
MW9I	6/8/2020	Intermediate	748.88	9.70	739.18	36.9	36.7	0.1
MW22I	6/8/2020	Intermediate	766.31	32.20	734.11	44.4	44.1	0.3
MW23I	6/8/2020	Intermediate	767.88	33.75	734.13	45.2	44.9	0.3
MW36I	6/8/2020	Intermediate	766.87	31.35	735.52	75.3	74.6	0.7
MW38I	6/8/2020	Intermediate	757.29	21.70	735.59	53.4	53.1	0.3
G111	6/8/2020	Deep	762.20	32.05	730.15	95.1	94.8	0.3
MW9D	6/8/2020	Deep	748.06	9.10	738.96	48.4	48.3	0.1
MW36D	6/8/2020	Deep	766.56	35.55	731.01	96.2	95.9	0.3
MW38D	6/8/2020	Deep	757.57	22.85	734.72	78.3	78.0	0.3

Abbreviations:

famsl = feet above mean sea level

Notes:

- 1) Initial total depth and groundwater elevations were recorded by Civil and Environmental Consultants, Inc. (CEC) June 8, 2020 prior to sampling.
- 2) 2019 Total depth measurements provided for reference.

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Last revision by: <u>ZTW</u>	Date: <u>7/20/2020</u>
Checked by: <u>MCK</u>	Date: <u>7/20/2020</u>

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**Table 6. Quantified Parameters for Field Duplicate Pairs**  
**Tri-County and Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/9/2020	MW21S	Alkalinity, Total	518	577	10	mg/L	11.4
6/9/2020	MW21S	Calcium	89.6	95.6	0.5	mg/L	6.7
6/9/2020	MW21S	Barium	0.27	0.29	0.005	mg/L	7.4
6/9/2020	MW21S	Chloride	138	134	5	mg/L	2.9
6/9/2020	MW21S	Iron	1.3	2.2	0.14	mg/L	69.2
6/9/2020	MW21S	Magnesium	49	53.6	0.2	mg/L	9.4
6/9/2020	MW21S	Manganese	0.15	0.15	0.003	mg/L	0.0
6/9/2020	MW21S	Nitrate	0.18	< 0.1	0.1	mg/L	44.4
6/9/2020	MW21S	Potassium	26.8	29.4	0.5	mg/L	9.7
6/9/2020	MW21S	Sodium	118	122	5	mg/L	3.4
6/9/2020	MW21S	Sulfate	76.3	76.8	5	mg/L	0.7
6/9/2020	MW21S	Total Dissolved Solids	868	972	20	mg/L	12.0
6/9/2020	MW21S	Total Organic Carbon	9.8	9.7	1	mg/L	1.0
6/9/2020	MW21S	Total Suspended Solids	< 4	5.6	4	mg/L	40.0

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/8/2020	MW38I	Alkalinity, Total	325	323	10	mg/L	0.6
6/8/2020	MW38I	Aluminum	0.2	< 0.06	0.06	mg/L	70.0
6/8/2020	MW38I	Calcium	81.4	76.6	0.5	mg/L	5.9
6/8/2020	MW38I	Chloride	23.9	24.3	2	mg/L	1.7
6/8/2020	MW38I	Iron	1.3	1	0.14	mg/L	23.1
6/8/2020	MW38I	Barium	0.11	0.1	0.005	mg/L	9.1
6/8/2020	MW38I	Magnesium	38.9	38.6	0.2	mg/L	0.8
6/8/2020	MW38I	Manganese	0.021	0.018	0.003	mg/L	14.3
6/8/2020	MW38I	Potassium	1.5	1.4	0.5	mg/L	6.7
6/8/2020	MW38I	Sodium	12.8	12.8	5	mg/L	0.0
6/8/2020	MW38I	Sulfate	31.8	31.7	2	mg/L	0.3
6/8/2020	MW38I	Total Dissolved Solids	469	400	10	mg/L	14.7
6/8/2020	MW38I	Total Organic Carbon	1.3	1.4	1	mg/L	98.5

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/10/2020	MW10S	Chloride	8.5	8.5	2.8	mg/L	0.0
6/10/2020	MW10S	Barium	0.051	0.058	0.005	mg/L	13.7
6/10/2020	MW10S	Sulfate	80.9	79.5	3.5	mg/L	1.7
6/10/2020	MW10S	Alkalinity, Total	324	374	16	mg/L	15.4
6/10/2020	MW10S	Aluminum	0.45	0.65	0.06	mg/L	44.4
6/10/2020	MW10S	Calcium	94.7	98.8	0.1	mg/L	4.3
6/10/2020	MW10S	Iron	0.64	0.97	0.06	mg/L	51.6
6/10/2020	MW10S	Magnesium	48.7	50	0.05	mg/L	2.7
6/10/2020	MW10S	Manganese	0.055	0.083	0.001	mg/L	50.9
6/10/2020	MW10S	Potassium	1.3	1.4	0.2	mg/L	7.7
6/10/2020	MW10S	Sodium	9.4	10.3	1	mg/L	9.6
6/10/2020	MW10S	Zinc	0.0059	0.0064	0.005	mg/L	8.5
6/10/2020	MW10S	Total Dissolved Solids	445	464	10	mg/L	4.3
6/10/2020	MW10S	Total Suspended Solids	10	< 4	4	mg/L	60.0
6/10/2020	MW10S	Total Organic Carbon	1.3	1.1	1	mg/L	15.4



**Table 6. Quantified Parameters for Field Duplicate Pairs**  
**Tri-County and Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/9/2020	MW5SR	Chloride	3.1	3.3	1.4	mg/L	6.5
6/9/2020	MW5SR	Sulfate	15.6	16.4	1.7	mg/L	5.1
6/9/2020	MW5SR	Alkalinity, Total	278	279	12	mg/L	0.4
6/9/2020	MW5SR	Calcium	66.9	67.8	0.1	mg/L	1.3
6/9/2020	MW5SR	Iron	0.99	1	0.06	mg/L	1.0
6/9/2020	MW5SR	Magnesium	24	24.7	0.05	mg/L	2.9
6/9/2020	MW5SR	Manganese	0.23	0.24	0.001	mg/L	4.3
6/9/2020	MW5SR	Potassium	2.1	2.2	0.2	mg/L	4.8
6/9/2020	MW5SR	Sodium	5	5.2	1	mg/L	4.0
6/9/2020	MW5SR	Arsenic	0.0017	0.0018	0.001	mg/L	5.9
6/9/2020	MW5SR	Total Dissolved Solids	261	252	10	mg/L	3.4
6/9/2020	MW5SR	Total Organic Carbon	3.3	3.3	1	mg/L	0.0
6/9/2020	MW5SR	Barium	0.035	0.036	0.005	mg/L	2.9

Date	Sample	Parameter	Sample Result	Duplicate Result	Reporting Limit	Units	Relative Percent Difference
6/10/2020	MW2SR	Chloride	15.8	15.9	1.4	mg/L	0.6
6/10/2020	MW2SR	Nitrate	13.9	13.3	0.05	mg/L	4.3
6/10/2020	MW2SR	Sulfate	247	238	1.7	mg/L	3.6
6/10/2020	MW2SR	Alkalinity, Total	263	267	12	mg/L	1.5
6/10/2020	MW2SR	Calcium	138	131	0.1	mg/L	5.1
6/10/2020	MW2SR	Magnesium	50.1	47.5	0.05	mg/L	5.2
6/10/2020	MW2SR	Potassium	3.5	3.3	0.2	mg/L	5.7
6/10/2020	MW2SR	Sodium	13.8	13.1	1	mg/L	5.1
6/10/2020	MW2SR	Total Dissolved Solids	667	699	10	mg/L	4.8
6/10/2020	MW2SR	Total Organic Carbon	2.4	2.3	1	mg/L	4.2
6/10/2020	MW2SR	Barium	0.059	0.056	0.005	mg/L	5.1

**Abbreviations:**

mg/L = milligrams per liter      < = less than

**Notes:**

1) Bold values indicate the relative percent difference is greater than 15 percent where at least one of the results is greater than five times the Reporting Limit.

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/20/2019  
Date: 7/17/2020  
Date: 1/19/2021

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\[Table 6 - Quantified Parameters for Field Duplicate Pairs.xlsx]Table 6

**Table 7. Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells  
Tri-County Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Groundwater Zone	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS	Class II ILGWQS	Class IV ILGWQS
6/9/2020	MW39S	Shallow	Arsenic	0.011	0.001		MG/L	0.01	0.01	0.2	0.2
6/8/2020	G112	Deep	Chloride	682	2.8		MG/L		200	200	
6/8/2020	G142	Intermediate	Chloride	383	2.8		MG/L		200	200	
6/10/2020	MW121R	Intermediate	Chloride	270	1.4		MG/L		200	200	
6/9/2020	MW111	Intermediate	Chloride	308	1.4		MG/L		200	200	
6/9/2020	MW112	Intermediate	Chloride	271	2.8		MG/L		200	200	
6/9/2020	MW121R	Intermediate	Chromium	0.58	0.003		MG/L	0.1	0.1	1	1
6/9/2020	MW38S	Shallow	Chromium	0.44	0.003		MG/L	0.1	0.1	1	1
6/9/2020	MW39S	Shallow	Iron	8.6	0.06		MG/L		5	5	
6/10/2020	MW40DR	Deep	Iron	5.7	0.06		MG/L		5	5	
6/10/2020	MW6S	Shallow	Iron	11.5	0.06		MG/L		5	5	
6/10/2020	MW123R	Shallow	Manganese	0.32	0.001		MG/L		0.15	10	
6/9/2020	MW38S	Shallow	Manganese	0.25	0.001	^	MG/L		0.15	10	
6/9/2020	MW391	Intermediate	Manganese	0.22	0.001	^	MG/L		0.15	10	
6/9/2020	MW39S	Shallow	Manganese	2.3	0.001		MG/L		0.15	10	
6/9/2020	MW53R	Shallow	Manganese	0.23	0.001		MG/L		0.15	10	
6/10/2020	MW6S	Shallow	Manganese	0.41	0.001		MG/L		0.15	10	
6/10/2020	MW23R	Shallow	Nitrate	13.9	0.05		MG/L AS N	10	10	100	100
6/8/2020	MW41S	Shallow	Nitrate	23	0.05		MG/L AS N	10	10	100	100
6/8/2020	G112	Deep	Total Dissolved Solids	1890	10		MG/L		1200	1200	
6/8/2020	G142	Intermediate	Total Dissolved Solids	1240	10		MG/L		1200	1200	
6/10/2020	MW40DR	Deep	Total Dissolved Solids	1450	10		MG/L		1200	1200	
6/8/2020	MW41S	Shallow	Total Dissolved Solids	1290	10		MG/L		1200	1200	

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level  
 ILGWQS = Illinois Class I Groundwater Quality Standard  
 mg/L = milligrams per liter  
 mg/L as N = milligrams per liter as nitrogen

**Qualifiers:**

^ = instrument related quality control is outside acceptance limits.

**Notes:**

- Chloride and metals concentrations are total
- Bold indicates exceedance of both the Illinois Class I Groundwater Standard and MCL
- Italicized indicates exceedance of the Class II ILGWQS

Created by: ZTW Date: 2/21/2019  
 Last revision by: ZTW Date: 7/17/2020  
 Checked by: MCK Date: 7/16/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\Table 7 - MW Exceedances Tri County.xlsx|Table 7

**Table 8. Exceedances of Illinois Class I Groundwater Quality Standards  
Private Wells / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS
6/8/2020	PW07	Chloride	763	5.6		MG/L		200
6/8/2020	PW07	Total Dissolved Solids	1940	10		MG/L		1200
6/8/2020	PW23	Chloride	268	2.8		MG/L		200

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level

ILGWQS = Illinois Class I Groundwater Quality Standard

mg/L = milligrams per liter

**Notes:**

1) Chloride and metals concentrations are total.

Created by: ZTW	Date: 2/21/2019
Last revision by: ZTW	Date: 7/1/2020
Checked by: MCK	Date: 7/16/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\ [Table 8 - PW Exceedances.xlsx]Table 8

**Table 9. Exceedances of EPA MCL and/or Illinois Groundwater Quality Standards - Monitoring Wells  
Elgin Landfill / SCS Engineers Project Nos. 25212003.00 and 25212016.00**

Sample Date	Well ID	Groundwater Zone	Parameter	Result	Reporting Limit	Qualifier	Units	MCL	Class I ILGWQS	Class II ILGWQS	Class IV ILGWQS
6/9/2020	G111	Deep	Chloride	320	10		MG/L		200	200	
6/9/2020	MW36I	Intermediate	Chloride	269	5		MG/L		200	200	
6/9/2020	MW20S	Shallow	Chromium	<b>8.6</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/10/2020	MW9I	Intermediate	Chromium	<b>0.21</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/9/2020	MW38D	Deep	Chromium	<b>0.12</b>	<b>0.005</b>		MG/L	<b>0.1</b>	<b>0.1</b>	<b>1</b>	<b>1</b>
6/9/2020	MW20S	Shallow	Iron	16.1	0.14		MG/L		5	5	
6/9/2020	MW36I	Intermediate	Iron	9.1	0.14		MG/L		5	5	
6/9/2020	G111	Deep	Iron	6.9	0.14		MG/L		5	5	
6/10/2020	MW36D	Deep	Manganese	0.55	0.003		MG/L		0.15	10	
6/9/2020	MW20S	Shallow	Manganese	0.43	0.003		MG/L		0.15	10	
6/10/2020	MW22I	Intermediate	Manganese	0.41	0.003		MG/L		0.15	10	
6/9/2020	MW36I	Intermediate	Manganese	0.26	0.003		MG/L		0.15	10	
6/9/2020	MW38D	Deep	Manganese	0.2	0.003		MG/L		0.15	10	
6/9/2020	MW20S	Shallow	Nickel	1.6	0.01		MG/L		0.1	2	
6/9/2020	MW36S	Shallow	Nickel	0.15	0.01		MG/L		0.1	2	
6/9/2020	G111	Deep	Total Dissolved Solids	1250	20		MG/L		1200	1200	

**Abbreviations:**

MCL = US EPA Maximum Contaminant Level

ILGWQS = Illinois Class I Groundwater Quality Standard

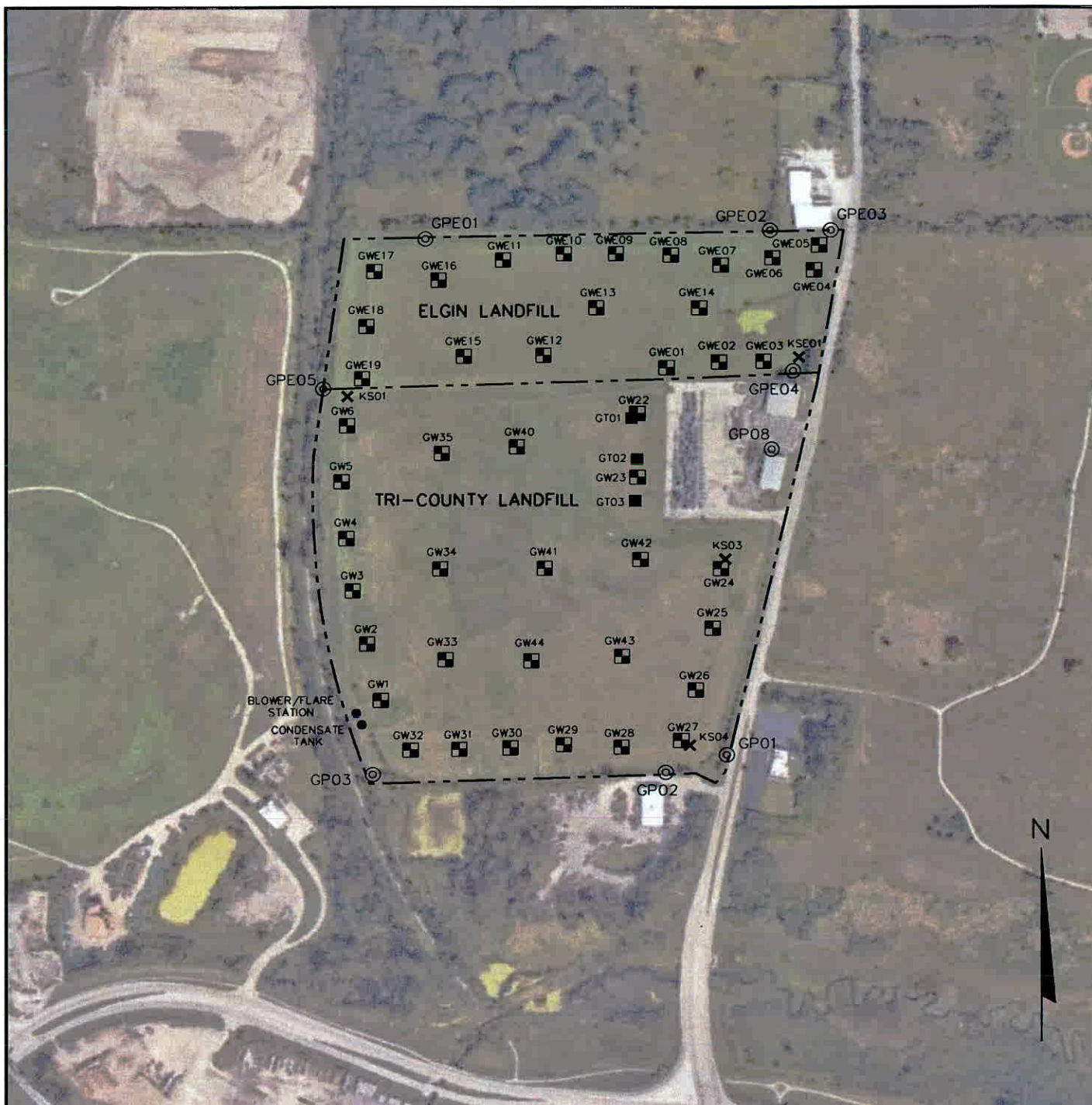
mg/L = milligrams per liter

**Notes:**

- 1) Chloride and metals concentrations are total
- 2) Bold indicates exceedance of both the Illinois Class I Groundwater Standard and MCL
- 3) Italicized indicates exceedance of the Class II ILGWQS

Created by: ZTW Date: 2/21/2019  
Last revision by: ZTW Date: 7/13/2020  
Checked by: MCK Date: 7/16/2020

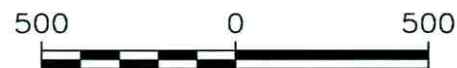
Z:\Projects\25212003.00\Reports\Annual Reports\2020\Tables\ [Table 9 - MW Exceedances Elgin.xlsx] Table 9




Note: Base image dated May 2020 from Google Earth

#### LEGEND

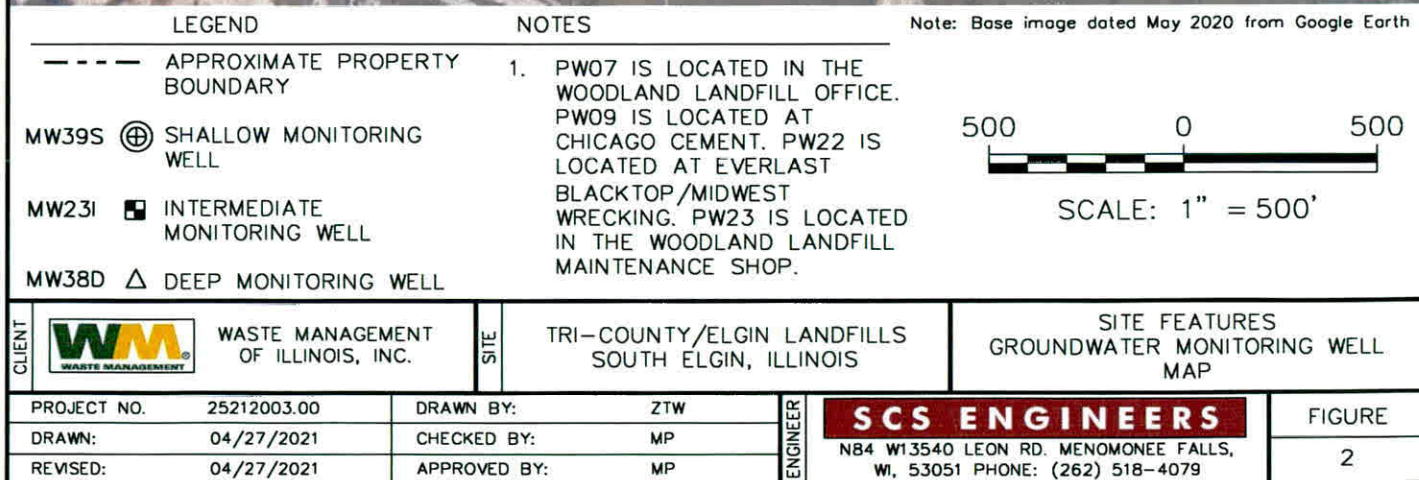
- |     |                               |   |  |
|-----|-------------------------------|---|--|
| --- | APPROXIMATE PROPERTY BOUNDARY | ● | BLOWER/FLARE STATION AND CONDENSATE TANK |
| ■   | GAS WELL                      | ■ | GAS TRENCH                               |
| ⊙   | GAS PROBE                     | × | KNOCKOUT                                 |



SCALE: 1" = 500'

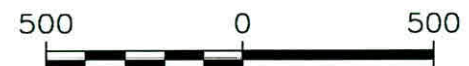
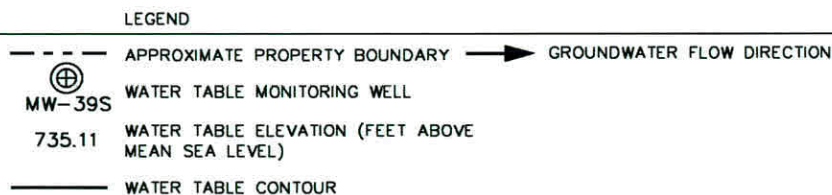
CLIENT		WASTE MANAGEMENT OF ILLINOIS, INC.		SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS		SITE FEATURES LANDFILL GAS CONTROL SYSTEM	
		PROJECT NO. 25212003.00			DRAWN BY: ZTW		<b>SCS ENGINEERS</b> N84 W13540 LEON RD. MENOMONEE FALLS, WI, 53051 PHONE: (262) 518-4079	FIGURE
		DRAWN: 04/27/2021			CHECKED BY: MP			1
		REVISED: 04/27/2021			APPROVED BY: MP			








Note: Base image dated May 2020 from Google Earth



SCALE: 1" = 500'

CLIENT		WASTE MANAGEMENT OF ILLINOIS, INC.	SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS	SHALLOW WELLS WATER TABLE FLOW MAP JUNE 8, 2020		
					FIGURE		
					3		
PROJECT NO.		25212003.00	DRAWN BY:		ZTW	ENGINEER	<b>SCS ENGINEERS</b> N84 W13540 LEON RD. MENOMONEE FALLS, WI. 53051 PHONE: (262) 518-4079
DRAWN:		04/27/2021	CHECKED BY:		MP		
REVISED:		04/27/2021	APPROVED BY:		MP		







Note: Base image dated May 2020 from Google Earth

#### LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER FLOW DIRECTION
- MW-39I GROUNDWATER MONITORING WELL
- 726.98 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- POTENTIOMETRIC SURFACE CONTOUR



SCALE: 1" = 500'

CLIENT			SITE	TRI-COUNTY/ELGIN LANDFILLS SOUTH ELGIN, ILLINOIS		INTERMEDIATE WELLS GROUNDWATER FLOW MAP JUNE 8, 2020	
	WASTE MANAGEMENT OF ILLINOIS, INC.						
	PROJECT NO. 25212003.00			DRAWN BY: ZTW			FIGURE  4
	DRAWN: 04/27/2021			CHECKED BY: MP			
REVISED: 04/27/2021		APPROVED BY: MP					

Waste Management, Inc.  
**CLOSED LANDFILL ENVIRONMENTAL INSPECTION FORM**

FACILITY NAME: <u>Tri-County</u>		INSPECTION DATE: <u>11-2-20</u>
LOCATION (Physical address: not P.O.Box number) <u>Route 25</u>		
CITY <u>South Elgin</u>	STATE <u>Illinois</u>	ZIP CODE <u>60177</u>
TOTAL ACREAGE: <u>40</u>	FILLED ACREAGE: <u>40</u>	
DATE FACILITY STOPPED RECEIVING WASTE: <u>12/31/76</u>		
OWNER STATUS <u>Operated/Owned</u> DATE OF LAST WMNA INSPECTION: _____		
IS THIS FACILITY ON THE NATIONAL PRIORITIES LIST (NPL)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
If yes, date listed on the NPL <u>3/31/89</u>		
IF NO, IS THIS FACILITY ON CERCLIS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA		
If the facility is on CERCLIS what is the date of listing _____		
WEATHER (during inspection): Temperature: <u>73°</u> Conditions: <u>Clear</u>		
SIGNATURES:		
The findings of this inspection were discussed with appropriate personnel, corrective actions were identified and entered into CARS, and an implementation schedule was mutually agreed upon:		
Site Engineer <u>John Allmeyer</u>		DATE <u>11-2-20</u>
Division President: <u>Michael Petersen</u>		DATE _____
cc: Group Environmental Manager		
Next Scheduled Inspection Date <u>2021</u>		

	Y	N	NA	CARS
<b>SECURITY &amp; ACCESS</b>				
1. Access controlled by perimeter fencing?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. "No Trespassing" signs posted in appropriate languages?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. No evidence of trespassing?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COVER &amp; VEGETATION</b>				
4. Final cover in acceptable condition? (provide documentation reference in comments section).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Top slope in acceptable condition? (good drainage, minimal erosion).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Side slope in acceptable condition? (good drainage, minimal erosion).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Acceptable vegetation (quality & density)?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. No damage to gas and leachate systems?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. No exposed waste?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>DRAINAGE</b>				
10. Appropriate runoff controls in place?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Slope drains in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Perimeter ditches in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Detention/retention ponds in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Outlet structures in acceptable condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Point discharge permitted?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. Facility is void of standing water where unwanted wetlands may develop?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>LEACHATE &amp; GAS CONTROL SYSTEMS</u>					<u>CARS</u>
	<u>Y</u>	<u>N</u>	<u>NA</u>		
17. Collection manholes secure and in acceptable condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-----	<input type="checkbox"/>
18. Riser and cleanouts secure and in acceptable condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
19. Approved Leachate Management Plan being implemented?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
20. Storage tanks or ponds in acceptable condition and operated in compliance with requirements?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
21. Sewer discharge pipe or meter secure and in good condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
22. Gas flares, vents and gas wells secure and in good condition?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
23. No odor migration off-site?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
24. No gas migration off-site?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
25. Probes/detection system calibrated and in good working condition?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
See SCS Engineers monitoring report					
<u>MONITORING WELLS</u>					
26. Documentation of well installation is available in region files?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-----	<input type="checkbox"/>
27. Current ground-water monitoring well inspections filed?.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

**Development on or near the site? (Specify size and type; e.g., residential - 40 acres, well and septic)**

**ITEM 6**

Sierra ramitas checked 5-4-20 & 11-2-20  
Site ramitas on 8-4-21

**CARS= Compliance Action Reporting System Issue**

## Quarterly Site Inspection Form – Tri-County Landfill

### Gas Probe Data

Instrument: GEM 5000

Last Calibration Date: 6/30/2020

Sampling Date: 6/30/2020

Monitored by: Zach Watson

Barometric Pressure and Trend (inches Hg): 29.09" Hg - Increasing

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
<b>Methane</b> (% by volume)	0.0	0.1	37.0	0.0
<b>Carbon Dioxide</b> (% by volume)	0.6	0.4	15.4	6.9
<b>Oxygen</b> (% by volume)	19.8	20.0	0.5	10.9
<b>Pressure/Vacuum</b> (Inches Water)	0.01"	-0.08"	-0.03"	-0.28"

**Gas Well Integrity Survey**

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK	OK	OK	OK	OK	OK	OK	OK

Mark OK in box if no visible issues.

**Comments:** Recently mowed. All gas wells in good condition.

**Oil and Grit Separator OK?**

**Comments:** Some debris on the screen of the oil/grit separator. Cleaned this off.



## Tri-County Landfill Quarterly Monitoring Form

### Gas Probe Data

Instrument: *GEN5000*

Last Calibration Date: *9-18-2020*

Sampling Date: *9-18-2020*

Monitored by: *Zach Watson*

Barometric Pressure (inches Hg): *29.55"*  
*Tread*

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
Methane	<i>0.0</i>	<i>0.0</i>	<i>7.5</i>	<i>0.0</i>
Carbon Dioxide	<i>0.3</i>	<i>0.1</i>	<i>16.0</i>	<i>8.6</i>
Oxygen	<i>20.5</i>	<i>20.8</i>	<i>3.0</i>	<i>8.3</i>
Pressure/Vacuum (Inches Water)	<i>-0.11"</i>	<i>-0.12"</i>	<i>-0.13"</i>	<i>-0.14"</i>

**Gas Well Integrity Survey**

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK									

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK									

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK							

Mark OK in box if no visible issues.

**Comments:**

**Oil and Grit Separator OK?**

**Comments:** *Clear. No obstructions*



# Quarterly Site Inspection Form - Tri-County Landfill

## Gas Probe Data

Instrument: GEM5000

Last Calibration Date: 12/28/2020

Sampling Date: 12/28/2020

Monitored by: Zach Watson

Barometric Pressure and Trend (inches Hg): 29.37" Increasing

	GP01 (Black Jacks)	GP02 (South Fence)	GP03 (Southwest Gate)	GP08 (Parking Lot)
Methane (% by volume)	0.0	0.0	28.0	0.0
Carbon Dioxide (% by volume)	0.2	0.2	18.6	9.2
Oxygen (% by volume)	20.6	20.6	0.6	7.4
Pressure/Vacuum (Inches Water)	-0.18"	-0.18"	-0.14"	-0.16"

Gas Well Integrity Survey

GW01	GW02	GW03	GW04	GW05	GW06	GW22	GW23	GW24	GW25
OK	—	—	—	—	—	—	—	—	—

GW26	GW27	GW28	GW29	GW30	GW31	GW32	GW33	GW34	GW35
OK	—	—	—	—	—	—	—	—	—

GW40	GW41	GW42	GW43	GW44	GT01	GT02	GT03
OK	—	—	—	—	—	—	—

Mark OK in box if no visible issues.

Comments: Landfill cap looks good. Western portion mowed.

Oil and Grit Separator OK?

Comments: Yes.

**BLUE FLAME CREW**  
A DIVISION OF BOOST GROUP

April 14, 2020  
R RSI008 041420

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**1st Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the first quarter of 2020 performed on March 30, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**



Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 1 OF 2

INSPECTION DATE: 3/30/20

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Partly Cloudy, 32°F, R.H. 82%, B.P. 28.92" Hg, 5 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks

Notes: (1) Gate Locked

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter East Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope

Notes: (1) No issues noted

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

**Inspection Item  
(check when complete)**

☒ Upper Storm water Pond  
Notes: (1) Dry

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge  
Notes: (1) Has water

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales  
Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

3/30/20

Inspector(s) Names: <u>Dan Sawyer</u>																																																																																																																												
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Valve Setting: _____ Other: _____ Other: _____ Overall Condition: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Critical – Take Immediate Action Other Notes: All well valves set to closed.																																																																																																																												

**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

3/30/20

**Inspection Item**  
(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	49.8	51.1	53.1	54.7	54.1
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	1.7	0.0	0.3	0.0
% Oxygen	19.3	18.8	15.8	19.6	22.5
% Carbon Dioxide	0.7	1.4	1.9	1.2	0.1
Valve Setting					
Other					
Other					

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action





July 7, 2020  
R RSI008 070720

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report  
2nd Quarter 2020  
Elgin Landfill  
Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the second quarter of 2020 performed on June 30, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 1 OF 2

INSPECTION DATE: 6/30/20

Inspector(s) Names: Jake Granger

Company: Blue Flame Crew, LLC

Weather Conditions: Mostly Cloudy, 73°F, R.H. 87%, B.P. 29.19" Hg, 3 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks

Notes: (1) Gate Locked

See Photo: 1, 3

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter East Slope

Notes: (1) No issues noted

See Photo: 2, 4

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope

Notes: (1) No issues noted

See Photo: 7, 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope

Notes: (1) No issues noted

See Photo: 9, 10

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

PAGE: 2 OF 2

**Inspection Item**  
(check when complete)

☒ Upper Storm water Pond  
Notes: (1) Dry

See Photo:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge  
Notes: (1) Has water

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales  
Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

6/30/20

Inspector(s) Names: Jake Granger

Company: Blue Flame Crew, LLC

Weather Conditions: Mostly Cloudy, 73°F, R.H. 87%, B.P. 29.19" Hg, 3 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ **Condensate Knock-Out/Lift Station (KSE01)**

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **Monitoring Control Stations**

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve:
% Methane	<u>NA</u>		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	Other:
% Carbon Dioxide			Other:	

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **East LFG Well System (GWE 01 thru GWE13)**

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	86.2	97.1	100.1	98.2	96.6	92.7	93.7	99.5	104	91.8	91.5	90.5	94	99.1
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	35.6	0.0	0.0
% Oxygen	17.9	20.9	21.2	19.8	19.6	19	19.2	19.3	17	18.8	19.6	2.3	20.7	19.1
% Carbon Dioxide	1.9	0.2	0.0	0.0	0.0	0.4	0.0	0.0	1.8	0.4	0.0	14.7	0.0	0.9

Valve Setting

Other

Other

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.

**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

6/30/20

**Inspection Item**

(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	90.1	99.7	94.9	94.4	97.8
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	50.3	16.9	0.0	18.4	0.0
% Oxygen	1.0	3.2	18.9	5.1	19.9
% Carbon Dioxide	15.2	7.9	0.7	10.0	0.1
Valve Setting					
Other					
Other					

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

Photo 1



Photo 2





## Elgin 2nd Quarter 2020 Photo Log

Photo 3



Photo 4





## Elgin 2nd Quarter 2020 Photo Log

Photo 5



Photo 6



## Elgin 2nd Quarter 2020 Photo Log

Photo 7



Photo 8





Photo 9



Photo 10





October 13, 2020  
R RSI008 101320

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**3rd Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the third quarter of 2020 performed on September 29, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 1 OF 2**

**INSPECTION DATE: 9/29/20**

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 51°F, R.H. 80%, B.P. 29.12" Hg, 6 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ **General Assessment of Perimeter Fencing, Gates, & Locks**

Notes: (1) Gate Locked

See Photo: 1, 2

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter East Slope**

Notes: (1) No issues noted

See Photo: 2, 4

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter West Slope**

Notes: (1) No issues noted

See Photo: 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ **Landfill Perimeter South Slope**

Notes: (1) No issues noted

See Photo: 12

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

**Inspection Item**  
(check when complete)

☒ Upper Storm water Pond  
Notes: (1) Dry

See Photo: 13

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge  
Notes: (1) Has water

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales  
Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

9/29/20

Inspector(s) Names: Dan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 51°F, R.H. 80%, B.P. 29.12" Hg, 6 mph

General Site Conditions: Ground Dry  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ **Condensate Knock-Out/Lift Station (KSE01)**

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **Monitoring Control Stations**

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve:
% Methane	<u>NA</u>		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	Other:
% Carbon Dioxide			Other:	

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **East LFG Well System (GWE 01 thru GWE13)**

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	82.3	61.4	59.5	66.0	66.8	69.0	66.6	66.3	75.7	65.7	68.1	87.1	61.4	79.6
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	13.4	0.5	0.0	27.1	0.1	21.1	14.7	20.8	23.9	12.5	0.2	42.1	0.0	6.9
% Oxygen	0.0	6.0	16.8	0.7	7.2	0.0	0.1	0.3	0.3	0.0	14.1	0.0	20.2	0.4
% Carbon Dioxide	16.6	7.1	2.5	15.4	10.7	11.0	12.0	13.7	14.1	12.9	4.6	19.5	1.1	9.8

Valve Setting: \_\_\_\_\_  
Other: \_\_\_\_\_  
Other: \_\_\_\_\_

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.



**GAS SYSTEM INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

9/29/20

**Inspection Item**

(check when complete)

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	81.7	69.1	75.7	84.6	73.7
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	46.6	24.7	16.4	32.7	37.1
% Oxygen	0.0	0.0	0.0	0.0	0.0
% Carbon Dioxide	18.0	9.5	13.7	13.1	21.9
Valve Setting					
Other					
Other					

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N (Casing, Cap, Lock)	Y	Y	Y	Y	Y

Other

Notes: None

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

Elgin 3rd Quarter 2020 Photo Log

Photo 1

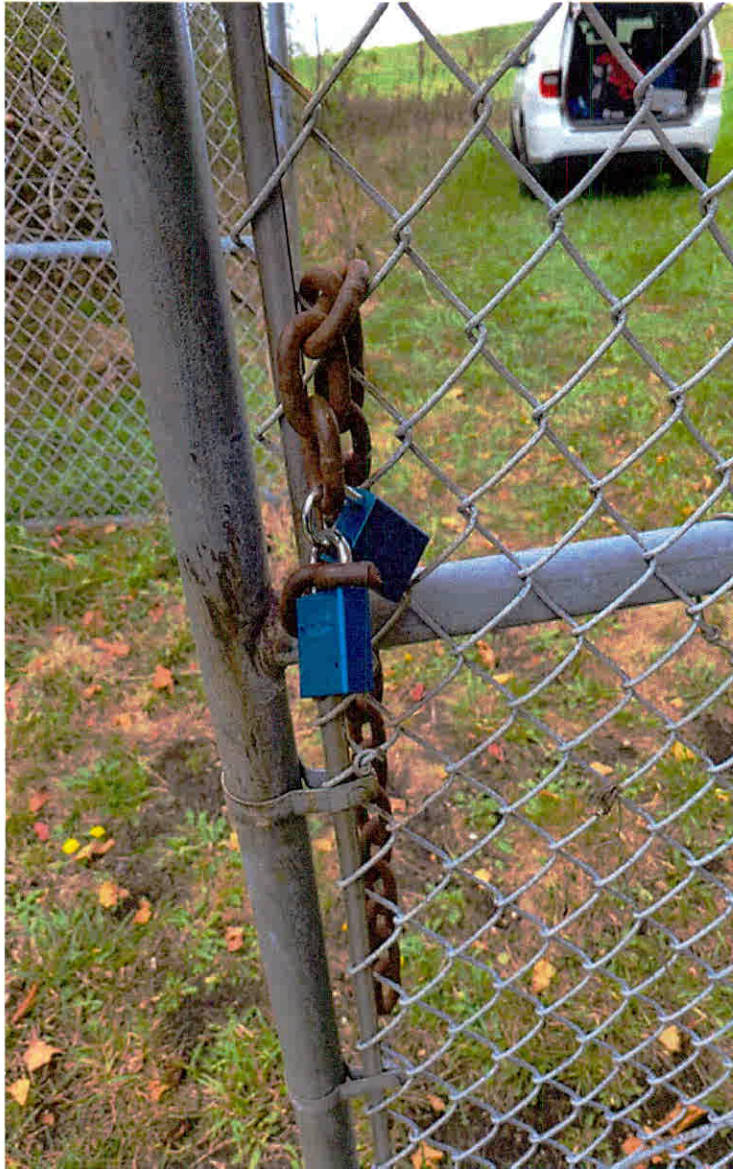


Photo 2





Photo 3



Photo 4





Photo 5

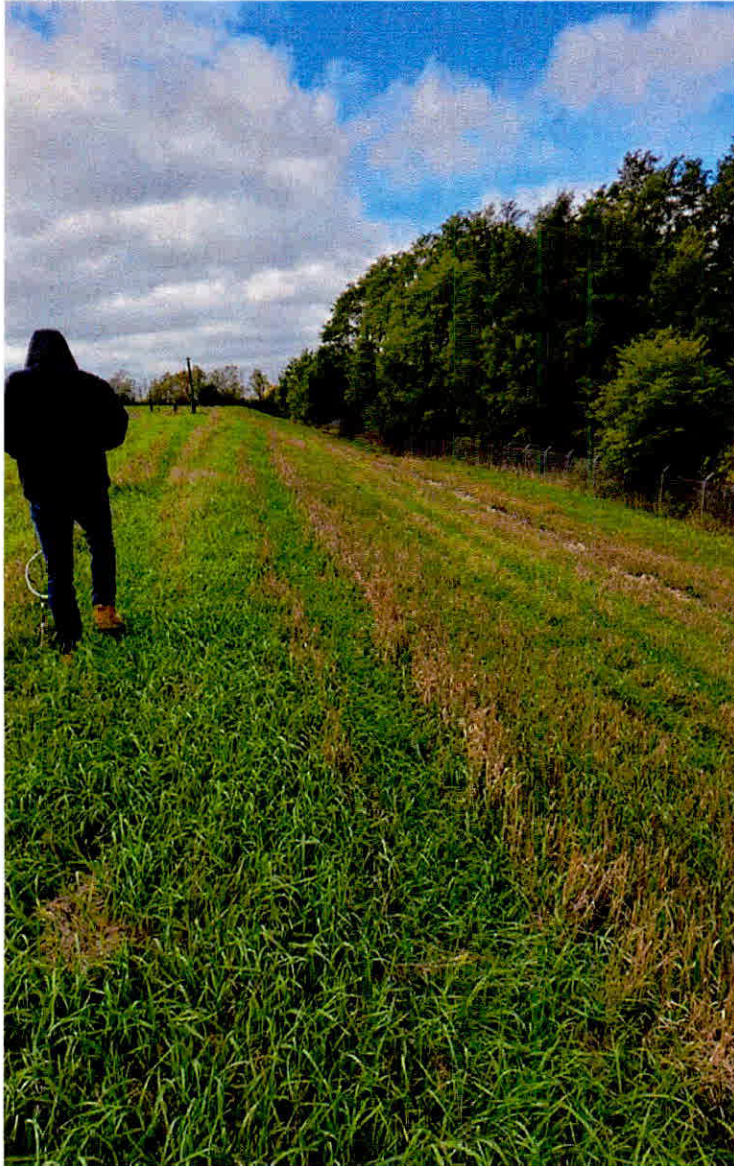


Photo 6





# Elgin 3rd Quarter 2020 Photo Log

Photo 7



Photo 8





Photo 9



Photo 10





Photo 11



Photo 12





## Elgin 3rd Quarter 2020 Photo Log

Photo 13





December 22, 2020  
R RSI008 122220

Mr. Jim Hitzeroth  
Area Environmental Manager  
Republic Services, Inc.  
26 W 580 Schick Rd.  
Hanover Park, Illinois 60133

**Quarterly Site Inspection Report**  
**4th Quarter 2020**  
**Elgin Landfill**  
**Elgin, Illinois**

Dear Mr. Hitzeroth:

Blue Flame Crew, LLC (Blue Flame) is pleased to submit the attached Elgin Landfill Quarterly Site Inspection and Gas Inspection monitoring results for the fourth quarter of 2020 performed on December 18, 2020.

Blue Flame Crew, LLC appreciates the opportunity to provide services to Republic Services Inc. Thank you for the opportunity to work with you on this project. If you have any questions, please do not hesitate to contact me at (630) 639-7266.

Sincerely,  
**Blue Flame Crew, LLC**

Dan Sawyer  
Operations Manager

Attachments: Quarterly Site Inspection Checklist  
Quarterly Gas System Inspection Checklist  
Photo Log

**ROUTINE SITE INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

PAGE: 1 OF 2

INSPECTION DATE: 12/18/20

Inspector(s) Names: Duncan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 33°F, R.H. 70%, B.P. 29.57"Hg, 13 mph

General Site Conditions: Ground Frozen

(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ General Assessment of Perimeter Fencing, Gates, & Locks

Notes: (1) Gate Locked

See Photo: 1

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter East Slope

Notes: (1) No issues noted

See Photo: 1, 8

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter West Slope

Notes: (1) No issues noted

See Photo: 5

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ Landfill Perimeter South Slope

Notes: (1) No issues noted

See Photo: 7

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

**ANNUAL SITE INSPECTION CHECKLIST  
ELGIN LANDFILL SUPERFUND SITE  
KANE COUNTY, ILLINOIS**

**PAGE: 2 OF 2**

**Inspection Item**  
(check when complete)

☒ Upper Storm water Pond

Notes: (1) Dry

See Photo: 8

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Lower Storm water Pond and Discharge

Notes: (1) Has water

See Photos: 2

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

☒ Landfill Top Surfaces and Drainage  
Swales

Notes: (1) Good

☐ OTHER

See Photos:

Overall Condition:

☒ Good

☐ Fair

☐ Poor

☐ Critical – Take Immediate Action

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 1 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

12/18/20

Inspector(s) Names: Duncan Sawyer

Company: Blue Flame Crew, LLC

Weather Conditions: Cloudy, 33°F, R.H. 70%, B.P. 29.57" Hg, 13 mph

General Site Conditions: Ground Frozen  
(e.g., muddy, dusty, etc.)

**Inspection Item**  
(check when complete)

☒ **Condensate Knock-Out/Lift Station (KSE01)**

Notes:

(1) Out of Service –  
Passive Gas System,  
Wells vent from top of  
well risers

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **Monitoring Control Stations**

	MCE01	MCE02	MCE01 (Southeast Tie-in)	MCE02 (Southwest Tie-in)
			Valves: 2-in Air - Open Y/N <u>N</u>	Valve: <u>i</u>
% Methane	<u>NA</u>		2-in Discharge - Open Y/N <u>N</u>	6-in Gas Header - Valve Setting <u>C</u>
% Oxygen			6-in Gas Header - Valve Setting <u>C</u>	Other: <u></u>
% Carbon Dioxide			Other: <u></u>	Other: <u></u>

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Out of Service – Passive Gas System, Wells vent from top of well risers

☒ **East LFG Well System (GWE 01 thru GWE13)**

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE01	GWE02	GWE03	GWE04	GWE05	GWE06	GWE07	GWE08	GWE09	GWE10	GWE11	GWE12	GWE13	GWE14
Well Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Header Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Differential Press	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LFG Temperature	64.4	42.5	39.6	43.3	36.8	48.0	42.5	41.6	59.4	45.6	45.0	73.4	38.8	59.1
LFG Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Methane	3.4	0.2	0.0	0.2	0.0	1.4	5.0	11.4	10.2	6.5	0.2	23.1	0.2	0.2
% Oxygen	3.2	7.6	19.7	19.8	21.4	6.4	4.5	6.6	0.9	0.8	17.1	0.8	19.6	8.1
% Carbon Dioxide	11.2	6.0	1.4	1.8	1.7	6.2	7.7	8.2	13.1	13.2	5.5	17.0	3.0	4.6

Valve Setting

Other

Other

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed.

**GAS SYSTEM INSPECTION CHECKLIST**  
**ELGIN LANDFILL SUPERFUND SITE**  
**KANE COUNTY, ILLINOIS**

Page 2 of 2

INSPECTION TYPE: Quarterly

INSPECTION DATE:

12/18/20

**Inspection Item**  
**(check when complete)**

☒ East LFG Extraction Well System (GWE 14 thru GWE19)

Remember Close Sample Ports and Reattach

Hoses.

Activity	GWE15	GWE16	GWE17	GWE18	GWE19
Well Static Pressure	0.0	0.0	0.0	0.0	0.0
Header Static Pressure	0.0	0.0	0.0	0.0	0.0
Differential Pressure	0.0	0.0	0.0	0.0	0.0
LFG Temperature	66.3	44.3	58.8	64.8	58.0
LFG Flow	0.0	0.0	0.0	0.0	0.0
% Methane	27.8	16.7	11.8	22.1	25.9
% Oxygen	0.5	0.1	0.0	0.2	0.0
% Carbon Dioxide	16.8	10.2	14.4	12.9	21.3
Valve Setting					
Other					
Other					

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

Other Notes: All well valves set to closed. Most vents were turning

☒ Cleanouts Located at LFG Wells GWE14, GWE19, and  
 Three (3) Cleanouts Near KSE01.

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action

☒ LFG Probes, GPE01 Thru GPE05

Gas Monitoring: Y/N Y

Activity	GPE01	GPE02	GPE03	GPE04	GPE05
Probe Static Pressure	0.0	0.0	0.0	0.0	0.0
% Methane	0.0	0.0	0.0	0.0	0.0
Condition OK (Y)/N	Y	Y	Y	Y	Y
(Casing, Cap, Lock)					

Other

Notes: None

Overall Condition: ☒ Good ☐ Fair ☐ Poor ☐ Critical – Take Immediate Action



Elgin 4th Quarter 2020 Photo Log

Photo 1



Photo 2





Elgin 4th Quarter 2020 Photo Log

Photo 3



Photo 4





Elgin 4th Quarter 2020 Photo Log

Photo 5



Photo 6





## Elgin 4th Quarter 2020 Photo Log

Photo 7



Photo 8



## BOL CROSS REFERENCE SHEET --- SAME FACILITIES

Facility Number:	<u>0890800001</u>
Facility Name:	<u>Waste Mgmt of II - Closed Landfill</u>
USEPA Number:	<u></u>
File Category:	<u>SF/Tech</u>

FOR ADDITIONAL INFORMATION ON THIS, SEE CATEGORY SF/Tech  
UNDER THIS SAME FILE HEADING. (CD)

Date of Document: 06-01-2021

### DESCRIPTION OF OTHER DOCUMENT

06-29-2021

2020 Annual Report

## Appendix D

## Laboratory Analytical Reports and EDD Files

IEPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

~~AUG 09 2021~~

REVIEWER: MED

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G112	Chloride	682	2.8		mg/L
6/8/2020	G112	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	G112	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	G112	Sulfate	3.5	3.5	U	mg/L
6/8/2020	G112	Alkalinity, Total	903	40		mg/L
6/8/2020	G112	Depth to water from land surface	31.89			feet
6/8/2020	G112	Depth to Water from Top of Casing	34.2			feet
6/8/2020	G112	Dissolved Oxygen, Field	0.74			mg/L
6/8/2020	G112	Elevation, Bottom of Well	650			famsl
6/8/2020	G112	Ferrous Iron	3.3			mg/L
6/8/2020	G112	Field EH/ORP	-124.8			millivolts
6/8/2020	G112	Measuring Point Elevation	759.41			famsl
6/8/2020	G112	pH, Field	6.92			SU
6/8/2020	G112	Specific Conductance, Field	3343			µmhos/cm
6/8/2020	G112	Temperature	55.8			fahrenheit
6/8/2020	G112	Turbidity	0.52			NTU
6/8/2020	G112	Water Elevation	725.21			famsl
6/8/2020	G112	Total Dissolved Solids	1890	10		mg/L
6/8/2020	G112	Total Suspended Solids	12.4	4		mg/L
6/8/2020	G112	Sulfide	1000	1000	U	µg/L
6/8/2020	G112	Total Organic Carbon	51.5	1		mg/L
6/9/2020	G135	Chloride	16.8	1.4		mg/L
6/9/2020	G135	Nitrate	0.26	0.05		mg/L AS N
6/9/2020	G135	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	G135	Sulfate	46.9	1.7		mg/L
6/9/2020	G135	Alkalinity, Total	386	16		mg/L
6/9/2020	G135	Depth to water from land surface	18.79			feet
6/9/2020	G135	Depth to Water from Top of Casing	19.5			feet
6/9/2020	G135	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	G135	Elevation, Bottom of Well	730.95			famsl
6/9/2020	G135	Ferrous Iron	0			mg/L
6/9/2020	G135	Field EH/ORP	114.6			millivolts
6/9/2020	G135	Measuring Point Elevation	759.16			famsl
6/9/2020	G135	pH, Field	7			SU
6/9/2020	G135	Specific Conductance, Field	733			µmhos/cm
6/9/2020	G135	Temperature	50.9			fahrenheit
6/9/2020	G135	Turbidity	0.16			NTU
6/9/2020	G135	Water Elevation	739.66			famsl
6/9/2020	G135	Total Dissolved Solids	391	10		mg/L
6/9/2020	G135	Total Suspended Solids	4	4	U	mg/L
6/9/2020	G135	Sulfide	1000	1000	U	µg/L
6/9/2020	G135	Total Organic Carbon	2.5	1		mg/L
6/8/2020	G142	Chloride	383	2.8		mg/L
6/8/2020	G142	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	G142	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	G142	Sulfate	3.5	3.5	U	mg/L
6/8/2020	G142	Alkalinity, Total	754	32		mg/L
6/8/2020	G142	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	G142	Aluminum	0.06	0.06	U	mg/L
6/8/2020	G142	Barium	0.42	0.005	^	mg/L
6/8/2020	G142	Beryllium	0.001	0.001	U	mg/L
6/8/2020	G142	Cadmium	0.001	0.001	U	mg/L
6/8/2020	G142	Calcium	85.6	0.1		mg/L
6/8/2020	G142	Chromium	0.003	0.003	U	mg/L
6/8/2020	G142	Cobalt	0.0034	0.003		mg/L
6/8/2020	G142	Copper	0.004	0.004	U	mg/L
6/8/2020	G142	Iron	1.1	0.06		mg/L
6/8/2020	G142	Magnesium	95.5	0.05		mg/L
6/8/2020	G142	Manganese	0.016	0.001		mg/L
6/8/2020	G142	Nickel	0.025	0.004		mg/L
6/8/2020	G142	Potassium	18.3	0.2		mg/L
6/8/2020	G142	Selenium	0.01	0.01	U	mg/L
6/8/2020	G142	Silver	0.004	0.004	U	mg/L
6/8/2020	G142	Sodium	257	1		mg/L
6/8/2020	G142	Vanadium	0.003	0.003	U	mg/L
6/8/2020	G142	Zinc	0.005	0.005	U	mg/L
6/8/2020	G142	Antimony	0.006	0.006	U	mg/L
6/8/2020	G142	Arsenic	0.0014	0.001		mg/L
6/8/2020	G142	Lead	0.001	0.001	U	mg/L
6/8/2020	G142	Thallium	0.002	0.002	U	mg/L
6/8/2020	G142	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	G142	Depth to water from land surface	16.78			feet
6/8/2020	G142	Depth to Water from Top of Casing	19.14			feet
6/8/2020	G142	Dissolved Oxygen, Field	0.27			mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G142	Elevation, Bottom of Well	724.35			famsl
6/8/2020	G142	Ferrous Iron	0			mg/L
6/8/2020	G142	Field EH/ORP	108.6			millivolts
6/8/2020	G142	Measuring Point Elevation	759.16			famsl
6/8/2020	G142	pH, Field	7.57			SU
6/8/2020	G142	Specific Conductance, Field	2354			uhmos/cm
6/8/2020	G142	Temperature	53.8			fahrenheit
6/8/2020	G142	Turbidity	8.02			NTU
6/8/2020	G142	Water Elevation	740.02			famsl
6/8/2020	G142	Total Dissolved Solids	1240	10		mg/L
6/8/2020	G142	Total Suspended Solids	6	4		mg/L
6/8/2020	G142	Sulfide	1000	1000	U	ug/L
6/8/2020	G142	Total Organic Carbon	22.8	1		mg/L
6/10/2020	MW061	Chloride	121	1.4		mg/L
6/10/2020	MW061	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW061	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW061	Sulfate	1.7	1.7	U	mg/L
6/10/2020	MW061	Alkalinity, Total	491	20		mg/L
6/10/2020	MW061	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW061	Aluminum	0.079	0.06		mg/L
6/10/2020	MW061	Barium	0.22	0.005	^	mg/L
6/10/2020	MW061	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW061	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW061	Calcium	71.9	0.1		mg/L
6/10/2020	MW061	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW061	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW061	Copper	0.004	0.004	U	mg/L
6/10/2020	MW061	Iron	3.8	0.06		mg/L
6/10/2020	MW061	Magnesium	52.8	0.05		mg/L
6/10/2020	MW061	Manganese	0.025	0.001		mg/L
6/10/2020	MW061	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW061	Potassium	8.8	0.2		mg/L
6/10/2020	MW061	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW061	Silver	0.004	0.004	U	mg/L
6/10/2020	MW061	Sodium	63.7	1		mg/L
6/10/2020	MW061	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW061	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW061	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW061	Arsenic	0.0011	0.001		mg/L
6/10/2020	MW061	Lead	0.001	0.001	U	mg/L
6/10/2020	MW061	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW061	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW061	Depth to water from land surface	8.68			feet
6/10/2020	MW061	Depth to Water from Top of Casing	11.08			feet
6/10/2020	MW061	Dissolved Oxygen, Field	0.22			mg/L
6/10/2020	MW061	Elevation, Bottom of Well	705.48			famsl
6/10/2020	MW061	Ferrous Iron	2.74			mg/L
6/10/2020	MW061	Field EH/ORP	-68.1			millivolts
6/10/2020	MW061	Measuring Point Elevation	743.94			famsl
6/10/2020	MW061	pH, Field	7.13			SU
6/10/2020	MW061	Specific Conductance, Field	1105			uhmos/cm
6/10/2020	MW061	Temperature	54.5			fahrenheit
6/10/2020	MW061	Turbidity	10.76			NTU
6/10/2020	MW061	Water Elevation	732.86			famsl
6/10/2020	MW061	Total Dissolved Solids	570	10		mg/L
6/10/2020	MW061	Total Suspended Solids	21.6	4		mg/L
6/10/2020	MW061	Sulfide	1000	1000	U	ug/L
6/10/2020	MW061	Total Organic Carbon	6	1		mg/L
6/10/2020	MW101	Chloride	4.8	1		mg/L
6/10/2020	MW101	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW101	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW101	Sulfate	22	1		mg/L
6/10/2020	MW101	Alkalinity, Total	319	16		mg/L
6/10/2020	MW101	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW101	Aluminum	1.7	0.06		mg/L
6/10/2020	MW101	Barium	0.072	0.005	^	mg/L
6/10/2020	MW101	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW101	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW101	Calcium	66.8	0.1		mg/L
6/10/2020	MW101	Chromium	0.0057	0.003		mg/L
6/10/2020	MW101	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW101	Copper	0.0047	0.004		mg/L
6/10/2020	MW101	Iron	1.1	0.06		mg/L
6/10/2020	MW101	Magnesium	38.4	0.05		mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW10I	Manganese	0.041	0.001		mg/L
6/10/2020	MW10I	Nickel	0.004	0.004		mg/L
6/10/2020	MW10I	Potassium	0.44	0.2		mg/L
6/10/2020	MW10I	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW10I	Silver	0.004	0.004	U	mg/L
6/10/2020	MW10I	Sodium	7.2	1		mg/L
6/10/2020	MW10I	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW10I	Zinc	0.0085	0.005		mg/L
6/10/2020	MW10I	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW10I	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW10I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW10I	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW10I	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW10I	Depth to water from land surface	18.09			feet
6/10/2020	MW10I	Depth to Water from Top of Casing	19.89			feet
6/10/2020	MW10I	Dissolved Oxygen, Field	0.7			mg/L
6/10/2020	MW10I	Elevation, Bottom of Well	700.41			famsl
6/10/2020	MW10I	Ferrous Iron	0.13			mg/L
6/10/2020	MW10I	Field EH/ORP	129.4			millivolts
6/10/2020	MW10I	Measuring Point Elevation	756.12			famsl
6/10/2020	MW10I	pH, Field	6.99			SU
6/10/2020	MW10I	Specific Conductance, Field	557			uhmos/cm
6/10/2020	MW10I	Temperature	51.1			fahrenheit
6/10/2020	MW10I	Turbidity	21.9			NTU
6/10/2020	MW10I	Water Elevation	736.23			famsl
6/10/2020	MW10I	Total Dissolved Solids	296	10		mg/L
6/10/2020	MW10I	Total Suspended Solids	35.2	4		mg/L
6/10/2020	MW10I	Sulfide	1000	1000	U	µg/L
6/10/2020	MW10I	Total Organic Carbon	2	1		mg/L
6/10/2020	MW10S	Chloride	8.5	2.8		mg/L
6/10/2020	MW10S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW10S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW10S	Sulfate	80.9	3.5		mg/L
6/10/2020	MW10S	Alkalinity, Total	324	16		mg/L
6/10/2020	MW10S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW10S	Aluminum	0.45	0.06		mg/L
6/10/2020	MW10S	Barium	0.051	0.005	^	mg/L
6/10/2020	MW10S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW10S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW10S	Calcium	94.7	0.1		mg/L
6/10/2020	MW10S	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW10S	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW10S	Copper	0.004	0.004	U	mg/L
6/10/2020	MW10S	Iron	0.64	0.06		mg/L
6/10/2020	MW10S	Magnesium	48.7	0.05		mg/L
6/10/2020	MW10S	Manganese	0.055	0.001		mg/L
6/10/2020	MW10S	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW10S	Potassium	1.3	0.2		mg/L
6/10/2020	MW10S	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW10S	Silver	0.004	0.004	U	mg/L
6/10/2020	MW10S	Sodium	9.4	1		mg/L
6/10/2020	MW10S	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW10S	Zinc	0.0059	0.005		mg/L
6/10/2020	MW10S	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW10S	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW10S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW10S	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW10S	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW10S	Depth to water from land surface	9.46			feet
6/10/2020	MW10S	Depth to Water from Top of Casing	11.76			feet
6/10/2020	MW10S	Dissolved Oxygen, Field	3.51			mg/L
6/10/2020	MW10S	Elevation, Bottom of Well	735.89			famsl
6/10/2020	MW10S	Ferrous Iron	0			mg/L
6/10/2020	MW10S	Field EH/ORP	169.4			millivolts
6/10/2020	MW10S	Measuring Point Elevation	756.64			famsl
6/10/2020	MW10S	pH, Field	7.31			SU
6/10/2020	MW10S	Specific Conductance, Field	828			uhmos/cm
6/10/2020	MW10S	Temperature	51.7			fahrenheit
6/10/2020	MW10S	Turbidity	1.13			NTU
6/10/2020	MW10S	Water Elevation	744.88			famsl
6/10/2020	MW10S	Total Dissolved Solids	445	10		mg/L
6/10/2020	MW10S	Total Suspended Solids	10	4		mg/L
6/10/2020	MW10S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW10S	Total Organic Carbon	1.3	1		mg/L



**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW12IR	Chloride	270	1.4		mg/L
6/10/2020	MW12IR	Nitrate	0.54	0.05		mg/L AS N
6/10/2020	MW12IR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW12IR	Sulfate	2	1.7		mg/L
6/10/2020	MW12IR	Alkalinity, Total	466	20		mg/L
6/10/2020	MW12IR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW12IR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW12IR	Barium	0.16	0.005	^	mg/L
6/10/2020	MW12IR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Calcium	98.4	0.1		mg/L
6/10/2020	MW12IR	Chromium	0.58	0.003		mg/L
6/10/2020	MW12IR	Cobalt	0.003	0.003		mg/L
6/10/2020	MW12IR	Copper	0.013	0.004		mg/L
6/10/2020	MW12IR	Iron	3.7	0.06		mg/L
6/10/2020	MW12IR	Magnesium	71.9	0.05		mg/L
6/10/2020	MW12IR	Manganese	0.044	0.001		mg/L
6/10/2020	MW12IR	Nickel	0.074	0.004		mg/L
6/10/2020	MW12IR	Potassium	3.2	0.2		mg/L
6/10/2020	MW12IR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW12IR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW12IR	Sodium	119	1		mg/L
6/10/2020	MW12IR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW12IR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW12IR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW12IR	Arsenic	0.0059	0.001		mg/L
6/10/2020	MW12IR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW12IR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW12IR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW12IR	Depth to water from land surface	19.72			feet
6/10/2020	MW12IR	Depth to Water from Top of Casing	21.63			feet
6/10/2020	MW12IR	Dissolved Oxygen, Field	0.95			mg/L
6/10/2020	MW12IR	Elevation, Bottom of Well	704.98			famsl
6/10/2020	MW12IR	Ferrous Iron	0.48			mg/L
6/10/2020	MW12IR	Field EH/ORP	-59.6			millivolts
6/10/2020	MW12IR	Measuring Point Elevation	757.2			famsl
6/10/2020	MW12IR	pH, Field	7.06			SU
6/10/2020	MW12IR	Specific Conductance, Field	1592			uhms/cm
6/10/2020	MW12IR	Temperature	53			fahrenheit
6/10/2020	MW12IR	Turbidity	6.3			NTU
6/10/2020	MW12IR	Water Elevation	735.57			famsl
6/10/2020	MW12IR	Total Dissolved Solids	897	10		mg/L
6/10/2020	MW12IR	Total Suspended Solids	10.4	4		mg/L
6/10/2020	MW12IR	Sulfide	1000	1000	U	ug/L
6/10/2020	MW12IR	Total Organic Carbon	13.4	1		mg/L
6/10/2020	MW12SR	Chloride	1.5	1		mg/L
6/10/2020	MW12SR	Nitrate	0.105	0.05		mg/L AS N
6/10/2020	MW12SR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW12SR	Sulfate	21.5	1		mg/L
6/10/2020	MW12SR	Alkalinity, Total	354	16		mg/L
6/10/2020	MW12SR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW12SR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW12SR	Barium	0.053	0.005	^	mg/L
6/10/2020	MW12SR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Calcium	90.8	0.1		mg/L
6/10/2020	MW12SR	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Copper	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Iron	1.5	0.06		mg/L
6/10/2020	MW12SR	Magnesium	32.7	0.05		mg/L
6/10/2020	MW12SR	Manganese	0.32	0.001		mg/L
6/10/2020	MW12SR	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Potassium	1.7	0.2		mg/L
6/10/2020	MW12SR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW12SR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW12SR	Sodium	2.5	1		mg/L
6/10/2020	MW12SR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW12SR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW12SR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW12SR	Arsenic	0.0053	0.001		mg/L
6/10/2020	MW12SR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW12SR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW12SR	Mercury	0.0002	0.0002	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW12SR	Depth to water from land surface	15.38			feet
6/10/2020	MW12SR	Depth to Water from Top of Casing	17.23			feet
6/10/2020	MW12SR	Dissolved Oxygen, Field	0.42			mg/L
6/10/2020	MW12SR	Elevation, Bottom of Well	732.96			famsl
6/10/2020	MW12SR	Ferrous Iron	0.71			mg/L
6/10/2020	MW12SR	Field EH/ORP	-100.9			millivolts
6/10/2020	MW12SR	Measuring Point Elevation	757.37			famsl
6/10/2020	MW12SR	pH, Field	7.21			SU
6/10/2020	MW12SR	Specific Conductance, Field	620			µmhos/cm
6/10/2020	MW12SR	Temperature	46.2			fahrenheit
6/10/2020	MW12SR	Turbidity	3.77			NTU
6/10/2020	MW12SR	Water Elevation	740.14			famsl
6/10/2020	MW12SR	Total Dissolved Solids	332	10		mg/L
6/10/2020	MW12SR	Total Suspended Solids	5.2	4		mg/L
6/10/2020	MW12SR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW12SR	Total Organic Carbon	3.1	1		mg/L
6/9/2020	MW13IR	Chloride	39.3	1		mg/L
6/9/2020	MW13IR	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW13IR	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW13IR	Sulfate	24.3	1		mg/L
6/9/2020	MW13IR	Alkalinity, Total	360	16		mg/L
6/9/2020	MW13IR	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW13IR	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW13IR	Barium	0.14	0.005	Λ	mg/L
6/9/2020	MW13IR	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Calcium	76.1	0.1		mg/L
6/9/2020	MW13IR	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Copper	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Iron	1.2	0.06		mg/L
6/9/2020	MW13IR	Magnesium	49.4	0.05		mg/L
6/9/2020	MW13IR	Manganese	0.03	0.001		mg/L
6/9/2020	MW13IR	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Potassium	3	0.2		mg/L
6/9/2020	MW13IR	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW13IR	Silver	0.004	0.004	U	mg/L
6/9/2020	MW13IR	Sodium	18.8	1		mg/L
6/9/2020	MW13IR	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW13IR	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW13IR	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW13IR	Arsenic	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Lead	0.001	0.001	U	mg/L
6/9/2020	MW13IR	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW13IR	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW13IR	Depth to water from land surface	20.48			feet
6/9/2020	MW13IR	Depth to Water from Top of Casing	21.9			feet
6/9/2020	MW13IR	Dissolved Oxygen, Field	0.23			mg/L
6/9/2020	MW13IR	Elevation, Bottom of Well	720.55			famsl
6/9/2020	MW13IR	Ferrous Iron	1.03			mg/L
6/9/2020	MW13IR	Field EH/ORP	-98.6			millivolts
6/9/2020	MW13IR	Measuring Point Elevation	757.6			famsl
6/9/2020	MW13IR	pH, Field	7.41			SU
6/9/2020	MW13IR	Specific Conductance, Field	508			µmhos/cm
6/9/2020	MW13IR	Temperature	56.5			fahrenheit
6/9/2020	MW13IR	Turbidity	0.53			NTU
6/9/2020	MW13IR	Water Elevation	735.7			famsl
6/9/2020	MW13IR	Total Dissolved Solids	670	10		mg/L
6/9/2020	MW13IR	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW13IR	Sulfide	1000	1000	U	µg/L
6/9/2020	MW13IR	Total Organic Carbon	2	1		mg/L
6/9/2020	MW1DR	Chloride	85.3	1.4		mg/L
6/9/2020	MW1DR	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW1DR	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW1DR	Sulfate	22.2	1.7		mg/L
6/9/2020	MW1DR	Alkalinity, Total	412	20		mg/L
6/9/2020	MW1DR	Depth to water from land surface	10.51			feet
6/9/2020	MW1DR	Depth to Water from Top of Casing	12.61			feet
6/9/2020	MW1DR	Dissolved Oxygen, Field	0.45			mg/L
6/9/2020	MW1DR	Ferrous Iron	0.58			mg/L
6/9/2020	MW1DR	Field EH/ORP	-209.2			millivolts
6/9/2020	MW1DR	pH, Field	7.62			SU
6/9/2020	MW1DR	Specific Conductance, Field	955			µmhos/cm
6/9/2020	MW1DR	Temperature	52.7			fahrenheit

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW1DR	Turbidity	1.03			NTU
6/9/2020	MW1DR	Total Dissolved Solids	595	10		mg/L
6/9/2020	MW1DR	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW1DR	Sulfide	1600	1000		µg/L
6/9/2020	MW1DR	Total Organic Carbon	6.1	1		mg/L
6/9/2020	MW111	Chloride	308	1.4		mg/L
6/9/2020	MW111	Nitrate	0.105	0.05		mg/L AS N
6/9/2020	MW111	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW111	Sulfate	51.9	1.7		mg/L
6/9/2020	MW111	Alkalinity, Total	402	20		mg/L
6/9/2020	MW111	Depth to water from land surface	11.89			feet
6/9/2020	MW111	Depth to Water from Top of Casing	13.69			feet
6/9/2020	MW111	Dissolved Oxygen, Field	0.53			mg/L
6/9/2020	MW111	Elevation, Bottom of Well	707.03			famsl
6/9/2020	MW111	Ferrous Iron	1.82			mg/L
6/9/2020	MW111	Field EH/ORP	-173			millivolts
6/9/2020	MW111	Measuring Point Elevation	740.97			famsl
6/9/2020	MW111	pH, Field	7.45			SU
6/9/2020	MW111	Specific Conductance, Field	1773			µmhos/cm
6/9/2020	MW111	Temperature	53.3			fahrenheit
6/9/2020	MW111	Turbidity	2.75			NTU
6/9/2020	MW111	Water Elevation	727.28			famsl
6/9/2020	MW111	Total Dissolved Solids	1030	10		mg/L
6/9/2020	MW111	Total Suspended Solids	10.4	4		mg/L
6/9/2020	MW111	Sulfide	1000	1000	U	µg/L
6/9/2020	MW111	Total Organic Carbon	2.1	1		mg/L
6/9/2020	MW112	Chloride	271	2.8		mg/L
6/9/2020	MW112	Nitrate	0.25	0.05		mg/L AS N
6/9/2020	MW112	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW112	Sulfate	48.3	3.5		mg/L
6/9/2020	MW112	Alkalinity, Total	447	20		mg/L
6/9/2020	MW112	Depth to water from land surface	10.31			feet
6/9/2020	MW112	Depth to Water from Top of Casing	11.87			feet
6/9/2020	MW112	Dissolved Oxygen, Field	0.72			mg/L
6/9/2020	MW112	Elevation, Bottom of Well	689.42			famsl
6/9/2020	MW112	Ferrous Iron	0.88			mg/L
6/9/2020	MW112	Field EH/ORP	-175.6			millivolts
6/9/2020	MW112	Measuring Point Elevation	741.3			famsl
6/9/2020	MW112	pH, Field	7.54			SU
6/9/2020	MW112	Specific Conductance, Field	1719			µmhos/cm
6/9/2020	MW112	Temperature	51.6			fahrenheit
6/9/2020	MW112	Turbidity	2.87			NTU
6/9/2020	MW112	Water Elevation	729.43			famsl
6/9/2020	MW112	Total Dissolved Solids	723	10		mg/L
6/9/2020	MW112	Total Suspended Solids	9.6	4		mg/L
6/9/2020	MW112	Sulfide	1000	1000	U	µg/L
6/9/2020	MW112	Total Organic Carbon	1.9	1		mg/L
6/9/2020	MW1S	Chloride	44.6	1.4		mg/L
6/9/2020	MW1S	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW1S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW1S	Sulfate	24.6	1.7		mg/L
6/9/2020	MW1S	Alkalinity, Total	489	24		mg/L
6/9/2020	MW1S	Depth to water from land surface	1.9			feet
6/9/2020	MW1S	Depth to Water from Top of Casing	3.85			feet
6/9/2020	MW1S	Dissolved Oxygen, Field	1.72			mg/L
6/9/2020	MW1S	Elevation, Bottom of Well	730.6			famsl
6/9/2020	MW1S	Field EH/ORP	-136.5			millivolts
6/9/2020	MW1S	Measuring Point Elevation	741.14			famsl
6/9/2020	MW1S	pH, Field	7.15			SU
6/9/2020	MW1S	Specific Conductance, Field	963			µmhos/cm
6/9/2020	MW1S	Temperature	57.6			fahrenheit
6/9/2020	MW1S	Turbidity	109.6			NTU
6/9/2020	MW1S	Water Elevation	737.29			famsl
6/9/2020	MW1S	Total Dissolved Solids	465	10		mg/L
6/9/2020	MW1S	Total Suspended Solids	56	4		mg/L
6/9/2020	MW1S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW1S	Total Organic Carbon	9.5	1		mg/L
6/10/2020	MW25S	Chloride	14.4	1.4		mg/L
6/10/2020	MW25S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW25S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW25S	Sulfate	38.6	1.7		mg/L
6/10/2020	MW25S	Alkalinity, Total	429	20		mg/L
6/10/2020	MW25S	Depth to water from land surface	8.01			feet
6/10/2020	MW25S	Depth to Water from Top of Casing	11.24			feet

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW25S	Dissolved Oxygen, Field	1.53			mg/L
6/10/2020	MW25S	Elevation, Bottom of Well	733.91			famsl
6/10/2020	MW25S	Ferrous Iron	5.83			mg/L
6/10/2020	MW25S	Field EH/ORP	20.7			millivolts
6/10/2020	MW25S	Measuring Point Elevation	749.22			famsl
6/10/2020	MW25S	pH, Field	7.12			SU
6/10/2020	MW25S	Specific Conductance, Field	771			uhmos/cm
6/10/2020	MW25S	Temperature	51.4			fahrenheit
6/10/2020	MW25S	Turbidity	727			NTU
6/10/2020	MW25S	Water Elevation	737.987			famsl
6/10/2020	MW25S	Total Dissolved Solids	421	10		mg/L
6/10/2020	MW25S	Total Suspended Solids	272	4		mg/L
6/10/2020	MW25S	Sulfide	1000	1000	U	ug/L
6/10/2020	MW25S	Total Organic Carbon	3.4	1		mg/L
6/10/2020	MW21R	Chloride	1	1		mg/L
6/10/2020	MW21R	Nitrate	0.05	0.05		mg/L AS N
6/10/2020	MW21R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW21R	Sulfate	2.3	1		mg/L
6/10/2020	MW21R	Alkalinity, Total	243	12		mg/L
6/10/2020	MW21R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW21R	Aluminum	0.062	0.06		mg/L
6/10/2020	MW21R	Barium	0.043	0.005	^	mg/L
6/10/2020	MW21R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW21R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW21R	Calcium	35.5	0.1		mg/L
6/10/2020	MW21R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW21R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW21R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW21R	Iron	1.1	0.06		mg/L
6/10/2020	MW21R	Magnesium	21.1	0.05		mg/L
6/10/2020	MW21R	Manganese	0.018	0.001		mg/L
6/10/2020	MW21R	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW21R	Potassium	0.93	0.2		mg/L
6/10/2020	MW21R	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW21R	Silver	0.004	0.004	U	mg/L
6/10/2020	MW21R	Sodium	22.3	1		mg/L
6/10/2020	MW21R	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW21R	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW21R	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW21R	Arsenic	0.0062	0.001		mg/L
6/10/2020	MW21R	Lead	0.001	0.001	U	mg/L
6/10/2020	MW21R	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW21R	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW21R	Depth to water from land surface	20.94			feet
6/10/2020	MW21R	Depth to Water from Top of Casing	23.35			feet
6/10/2020	MW21R	Dissolved Oxygen, Field	0.45			mg/L
6/10/2020	MW21R	Elevation, Bottom of Well	709.11			famsl
6/10/2020	MW21R	Ferrous Iron	0			mg/L
6/10/2020	MW21R	Field EH/ORP	45.9			millivolts
6/10/2020	MW21R	Measuring Point Elevation	759.15			famsl
6/10/2020	MW21R	pH, Field	7.51			SU
6/10/2020	MW21R	Specific Conductance, Field	403			uhmos/cm
6/10/2020	MW21R	Temperature	53.1			fahrenheit
6/10/2020	MW21R	Turbidity	2.03			NTU
6/10/2020	MW21R	Water Elevation	735.8			famsl
6/10/2020	MW21R	Total Dissolved Solids	199	10		mg/L
6/10/2020	MW21R	Total Suspended Solids	5.2	4		mg/L
6/10/2020	MW21R	Sulfide	1000	1000	U	ug/L
6/10/2020	MW21R	Total Organic Carbon	1.2	1		mg/L
6/10/2020	MW25R	Chloride	15.8	1.4		mg/L
6/10/2020	MW25R	Nitrate	13.9	0.05		mg/L AS N
6/10/2020	MW25R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW25R	Sulfate	247	1.7		mg/L
6/10/2020	MW25R	Alkalinity, Total	263	12		mg/L
6/10/2020	MW25R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW25R	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW25R	Barium	0.059	0.005	^	mg/L
6/10/2020	MW25R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW25R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW25R	Calcium	138	0.1		mg/L
6/10/2020	MW25R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW25R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW25R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW25R	Iron	0.06	0.06	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW2SR	Magnesium	50.1	0.05		mg/L
6/10/2020	MW2SR	Manganese	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW2SR	Potassium	3.5	0.2		mg/L
6/10/2020	MW2SR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW2SR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW2SR	Sodium	13.8	1		mg/L
6/10/2020	MW2SR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW2SR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW2SR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW2SR	Arsenic	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW2SR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW2SR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW2SR	Depth to water from land surface	16.04			feet
6/10/2020	MW2SR	Depth to Water from Top of Casing	18.49			feet
6/10/2020	MW2SR	Dissolved Oxygen, Field	7.77			mg/L
6/10/2020	MW2SR	Elevation, Bottom of Well	733.16			famsl
6/10/2020	MW2SR	Ferrous Iron	0			mg/L
6/10/2020	MW2SR	Field EH/ORP	159			millivolts
6/10/2020	MW2SR	Measuring Point Elevation	759.26			famsl
6/10/2020	MW2SR	pH, Field	7.21			SU
6/10/2020	MW2SR	Specific Conductance, Field	1071			µmhos/cm
6/10/2020	MW2SR	Temperature	51.7			fahrenheit
6/10/2020	MW2SR	Turbidity	0.18			NTU
6/10/2020	MW2SR	Water Elevation	740.77			famsl
6/10/2020	MW2SR	Total Dissolved Solids	667	10		mg/L
6/10/2020	MW2SR	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW2SR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW2SR	Total Organic Carbon	2.4	1		mg/L
6/9/2020	MW38S	Chloride	7.3	1.4		mg/L
6/9/2020	MW38S	Nitrate	0.41	0.05		mg/L AS N
6/9/2020	MW38S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW38S	Sulfate	7.4	1.7		mg/L
6/9/2020	MW38S	Alkalinity, Total	299	12		mg/L
6/9/2020	MW38S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW38S	Aluminum	1.5	0.06		mg/L
6/9/2020	MW38S	Barium	0.079	0.005	^	mg/L
6/9/2020	MW38S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW38S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW38S	Calcium	64.1	0.1		mg/L
6/9/2020	MW38S	Chromium	0.44	0.003		mg/L
6/9/2020	MW38S	Cobalt	0.0087	0.003		mg/L
6/9/2020	MW38S	Copper	0.011	0.004		mg/L
6/9/2020	MW38S	Iron	4.9	0.06		mg/L
6/9/2020	MW38S	Magnesium	32.7	0.05		mg/L
6/9/2020	MW38S	Manganese	0.25	0.001	^	mg/L
6/9/2020	MW38S	Nickel	0.074	0.004		mg/L
6/9/2020	MW38S	Potassium	2.1	0.2		mg/L
6/9/2020	MW38S	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW38S	Silver	0.004	0.004	U	mg/L
6/9/2020	MW38S	Sodium	14.3	1		mg/L
6/9/2020	MW38S	Vanadium	0.0047	0.003		mg/L
6/9/2020	MW38S	Zinc	0.01	0.005		mg/L
6/9/2020	MW38S	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW38S	Arsenic	0.0013	0.001		mg/L
6/9/2020	MW38S	Lead	0.0011	0.001		mg/L
6/9/2020	MW38S	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW38S	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW38S	Depth to water from land surface	6.8			feet
6/9/2020	MW38S	Depth to Water from Top of Casing	9.13			feet
6/9/2020	MW38S	Dissolved Oxygen, Field	4.69			mg/L
6/9/2020	MW38S	Elevation, Bottom of Well	738.02			famsl
6/9/2020	MW38S	Ferrous Iron	0			mg/L
6/9/2020	MW38S	Field EH/ORP	170.5			millivolts
6/9/2020	MW38S	Measuring Point Elevation	755.03			famsl
6/9/2020	MW38S	pH, Field	7.36			SU
6/9/2020	MW38S	Specific Conductance, Field	535			µmhos/cm
6/9/2020	MW38S	Temperature	53.5			fahrenheit
6/9/2020	MW38S	Turbidity	6.95			NTU
6/9/2020	MW38S	Water Elevation	745.9			famsl
6/9/2020	MW38S	Total Dissolved Solids	524	10		mg/L
6/9/2020	MW38S	Total Suspended Solids	56	4		mg/L
6/9/2020	MW38S	Sulfide	1000	1000	U	µg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW38S	Total Organic Carbon	1	1	U	mg/L
6/9/2020	MW39I	Chloride	107	1.4		mg/L
6/9/2020	MW39I	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW39I	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW39I	Sulfate	20.1	1.7		mg/L
6/9/2020	MW39I	Alkalinity, Total	416	20		mg/L
6/9/2020	MW39I	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW39I	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW39I	Barium	0.13	0.005	^	mg/L
6/9/2020	MW39I	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW39I	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW39I	Calcium	82.2	0.1		mg/L
6/9/2020	MW39I	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW39I	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW39I	Copper	0.004	0.004	U	mg/L
6/9/2020	MW39I	Iron	0.47	0.06		mg/L
6/9/2020	MW39I	Magnesium	59.3	0.05		mg/L
6/9/2020	MW39I	Manganese	0.22	0.001	^	mg/L
6/9/2020	MW39I	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW39I	Potassium	2.9	0.2		mg/L
6/9/2020	MW39I	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW39I	Silver	0.004	0.004	U	mg/L
6/9/2020	MW39I	Sodium	49	1		mg/L
6/9/2020	MW39I	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW39I	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW39I	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW39I	Arsenic	0.0018	0.001		mg/L
6/9/2020	MW39I	Lead	0.001	0.001	U	mg/L
6/9/2020	MW39I	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW39I	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW39I	Depth to water from land surface	10.19			feet
6/9/2020	MW39I	Depth to Water from Top of Casing	12			feet
6/9/2020	MW39I	Dissolved Oxygen, Field	0.28			mg/L
6/9/2020	MW39I	Elevation, Bottom of Well	706.27			famsl
6/9/2020	MW39I	Ferrous Iron	0.29			mg/L
6/9/2020	MW39I	Field EH/ORP	-67.3			millivolts
6/9/2020	MW39I	Measuring Point Elevation	738.91			famsl
6/9/2020	MW39I	pH, Field	7.4			SU
6/9/2020	MW39I	Specific Conductance, Field	1055			µmhos/cm
6/9/2020	MW39I	Temperature	53.1			fahrenheit
6/9/2020	MW39I	Turbidity	0.55			NTU
6/9/2020	MW39I	Water Elevation	726.91			famsl
6/9/2020	MW39I	Total Dissolved Solids	660	10		mg/L
6/9/2020	MW39I	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW39I	Sulfide	1000	1000	U	µg/L
6/9/2020	MW39I	Total Organic Carbon	5.6	1		mg/L
6/9/2020	MW39S	Chloride	15.8	1.4		mg/L
6/9/2020	MW39S	Nitrate	0.08	0.05		mg/L AS N
6/9/2020	MW39S	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW39S	Sulfate	16.3	1.7		mg/L
6/9/2020	MW39S	Alkalinity, Total	407	20		mg/L
6/9/2020	MW39S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW39S	Aluminum	0.088	0.06		mg/L
6/9/2020	MW39S	Barium	0.062	0.005	^	mg/L
6/9/2020	MW39S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW39S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW39S	Calcium	74.5	0.1		mg/L
6/9/2020	MW39S	Chromium	0.0074	0.003		mg/L
6/9/2020	MW39S	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW39S	Copper	0.004	0.004	U	mg/L
6/9/2020	MW39S	Iron	8.6	0.06		mg/L
6/9/2020	MW39S	Magnesium	42.5	0.05		mg/L
6/9/2020	MW39S	Manganese	2.3	0.001		mg/L
6/9/2020	MW39S	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW39S	Potassium	1.1	0.2		mg/L
6/9/2020	MW39S	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW39S	Silver	0.004	0.004	U	mg/L
6/9/2020	MW39S	Sodium	23.1	1		mg/L
6/9/2020	MW39S	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW39S	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW39S	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW39S	Arsenic	0.011	0.001		mg/L
6/9/2020	MW39S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW39S	Thallium	0.002	0.002	U	mg/L



**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW39S	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW39S	Depth to water from land surface	2.12			feet
6/9/2020	MW39S	Depth to Water from Top of Casing	4.12			feet
6/9/2020	MW39S	Dissolved Oxygen, Field	2.13			mg/L
6/9/2020	MW39S	Elevation, Bottom of Well	724			famsl
6/9/2020	MW39S	Ferrous Iron	3.3			mg/L
6/9/2020	MW39S	Field EH/ORP	33.4			millivolts
6/9/2020	MW39S	Measuring Point Elevation	739.45			famsl
6/9/2020	MW39S	pH, Field	6.91			SU
6/9/2020	MW39S	Specific Conductance, Field	722			µhmos/cm
6/9/2020	MW39S	Temperature	58			fahrenheit
6/9/2020	MW39S	Turbidity	6.17			NTU
6/9/2020	MW39S	Water Elevation	735.33			famsl
6/9/2020	MW39S	Total Dissolved Solids	408	10		mg/L
6/9/2020	MW39S	Total Suspended Solids	44.4	4		mg/L
6/9/2020	MW39S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW39S	Total Organic Carbon	4.3	1		mg/L
6/10/2020	MW40DR	Chloride	1	1	U	mg/L
6/10/2020	MW40DR	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW40DR	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW40DR	Sulfate	1	1	U	mg/L
6/10/2020	MW40DR	Alkalinity, Total	733	36		mg/L
6/10/2020	MW40DR	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW40DR	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW40DR	Barium	0.61	0.005	^	mg/L
6/10/2020	MW40DR	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Calcium	114	0.1		mg/L
6/10/2020	MW40DR	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Copper	0.004	0.004	U	mg/L
6/10/2020	MW40DR	Iron	5.7	0.06		mg/L
6/10/2020	MW40DR	Magnesium	89.9	0.05		mg/L
6/10/2020	MW40DR	Manganese	0.076	0.001		mg/L
6/10/2020	MW40DR	Nickel	0.025	0.004		mg/L
6/10/2020	MW40DR	Potassium	18.9	0.2		mg/L
6/10/2020	MW40DR	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW40DR	Silver	0.004	0.004	U	mg/L
6/10/2020	MW40DR	Sodium	191	1		mg/L
6/10/2020	MW40DR	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW40DR	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW40DR	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW40DR	Arsenic	0.008	0.001		mg/L
6/10/2020	MW40DR	Lead	0.001	0.001	U	mg/L
6/10/2020	MW40DR	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW40DR	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW40DR	Depth to water from land surface	24.67			feet
6/10/2020	MW40DR	Depth to Water from Top of Casing	26.77			feet
6/10/2020	MW40DR	Dissolved Oxygen, Field	0.69			mg/L
6/10/2020	MW40DR	Elevation, Bottom of Well	649.66			famsl
6/10/2020	MW40DR	Ferrous Iron	3.3			mg/L
6/10/2020	MW40DR	Field EH/ORP	-134.9			millivolts
6/10/2020	MW40DR	Measuring Point Elevation	757.43			famsl
6/10/2020	MW40DR	pH, Field	6.91			SU
6/10/2020	MW40DR	Specific Conductance, Field	3899			µhmos/cm
6/10/2020	MW40DR	Temperature	53.9			fahrenheit
6/10/2020	MW40DR	Turbidity	3.06			NTU
6/10/2020	MW40DR	Water Elevation	730.66			famsl
6/10/2020	MW40DR	Total Dissolved Solids	1450	10		mg/L
6/10/2020	MW40DR	Total Suspended Solids	19.2	4		mg/L
6/10/2020	MW40DR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW40DR	Total Organic Carbon	29.7	1		mg/L
6/8/2020	MW41S	Chloride	22	2.8		mg/L
6/8/2020	MW41S	Nitrate	23	0.05		mg/L AS N
6/8/2020	MW41S	Nitrite	0.07	0.05		mg/L AS N
6/8/2020	MW41S	Sulfate	298	3.5		mg/L
6/8/2020	MW41S	Alkalinity, Total	769	32		mg/L
6/8/2020	MW41S	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	MW41S	Aluminum	0.06	0.06	U	mg/L
6/8/2020	MW41S	Barium	0.059	0.005	^	mg/L
6/8/2020	MW41S	Beryllium	0.001	0.001	U	mg/L
6/8/2020	MW41S	Cadmium	0.001	0.001	U	mg/L
6/8/2020	MW41S	Calcium	239	0.1		mg/L
6/8/2020	MW41S	Chromium	0.003	0.003	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	MW41S	Cobalt	0.003	0.003	U	mg/L
6/8/2020	MW41S	Copper	0.004	0.004	U	mg/L
6/8/2020	MW41S	Iron	0.06	0.06	U	mg/L
6/8/2020	MW41S	Magnesium	116	0.05		mg/L
6/8/2020	MW41S	Manganese	0.14	0.001		mg/L
6/8/2020	MW41S	Nickel	0.004	0.004	U	mg/L
6/8/2020	MW41S	Potassium	10	0.2		mg/L
6/8/2020	MW41S	Selenium	0.01	0.01	U	mg/L
6/8/2020	MW41S	Silver	0.004	0.004	U	mg/L
6/8/2020	MW41S	Sodium	20.8	1		mg/L
6/8/2020	MW41S	Vanadium	0.003	0.003	U	mg/L
6/8/2020	MW41S	Zinc	0.005	0.005	U	mg/L
6/8/2020	MW41S	Antimony	0.006	0.006	U	mg/L
6/8/2020	MW41S	Arsenic	0.001	0.001		mg/L
6/8/2020	MW41S	Lead	0.001	0.001	U	mg/L
6/8/2020	MW41S	Thallium	0.002	0.002	U	mg/L
6/8/2020	MW41S	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	MW41S	Depth to water from land surface	13.33			feet
6/8/2020	MW41S	Depth to Water from Top of Casing	16.03			feet
6/8/2020	MW41S	Dissolved Oxygen, Field	2.85			mg/L
6/8/2020	MW41S	Elevation, Bottom of Well	729.29			famsl
6/8/2020	MW41S	Ferrous Iron	0.03			mg/L
6/8/2020	MW41S	Field EH/ORP	570.1			millivolts
6/8/2020	MW41S	Measuring Point Elevation	757.34			famsl
6/8/2020	MW41S	pH, Field	6.99			SU
6/8/2020	MW41S	Specific Conductance, Field	1922			µmhos/cm
6/8/2020	MW41S	Temperature	55			fahrenheit
6/8/2020	MW41S	Turbidity	0.77			NTU
6/8/2020	MW41S	Water Elevation	741.31			famsl
6/8/2020	MW41S	Total Dissolved Solids	1290	10		mg/L
6/8/2020	MW41S	Total Suspended Solids	4	4	U	mg/L
6/8/2020	MW41S	Sulfide	1000	1000	U	µg/L
6/8/2020	MW41S	Total Organic Carbon	5.4	1		mg/L
6/10/2020	MW51R	Chloride	34.2	1.4		mg/L
6/10/2020	MW51R	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW51R	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW51R	Sulfate	4.2	1.7		mg/L
6/10/2020	MW51R	Alkalinity, Total	323	16		mg/L
6/10/2020	MW51R	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW51R	Aluminum	0.13	0.06		mg/L
6/10/2020	MW51R	Barium	0.062	0.005	^	mg/L
6/10/2020	MW51R	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW51R	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW51R	Calcium	45.9	0.1		mg/L
6/10/2020	MW51R	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW51R	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW51R	Copper	0.004	0.004	U	mg/L
6/10/2020	MW51R	Iron	1.6	0.06		mg/L
6/10/2020	MW51R	Magnesium	38.6	0.05		mg/L
6/10/2020	MW51R	Manganese	0.041	0.001		mg/L
6/10/2020	MW51R	Nickel	0.0053	0.004		mg/L
6/10/2020	MW51R	Potassium	1.2	0.2		mg/L
6/10/2020	MW51R	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW51R	Silver	0.004	0.004	U	mg/L
6/10/2020	MW51R	Sodium	28	1		mg/L
6/10/2020	MW51R	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW51R	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW51R	Antimony	0.006	0.006	U	mg/L
6/10/2020	MW51R	Arsenic	0.0017	0.001		mg/L
6/10/2020	MW51R	Lead	0.001	0.001	U	mg/L
6/10/2020	MW51R	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW51R	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW51R	Depth to water from land surface	11.03			feet
6/10/2020	MW51R	Depth to Water from Top of Casing	12.13			feet
6/10/2020	MW51R	Dissolved Oxygen, Field	0.16			mg/L
6/10/2020	MW51R	Elevation, Bottom of Well	708.8			famsl
6/10/2020	MW51R	Ferrous Iron	1.35			mg/L
6/10/2020	MW51R	Field EH/ORP	-65.4			millivolts
6/10/2020	MW51R	Measuring Point Elevation	746.87			famsl
6/10/2020	MW51R	pH, Field	7.32			SU
6/10/2020	MW51R	Specific Conductance, Field	570			µmhos/cm
6/10/2020	MW51R	Temperature	53.1			fahrenheit
6/10/2020	MW51R	Turbidity	0.66			NTU
6/10/2020	MW51R	Water Elevation	734.74			famsl

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW5IR	Total Dissolved Solids	344	10		mg/L
6/10/2020	MW5IR	Total Suspended Solids	18	4		mg/L
6/10/2020	MW5IR	Sulfide	1000	1000	U	µg/L
6/10/2020	MW5IR	Total Organic Carbon	6.9	1		mg/L
6/9/2020	MW5SR	Chloride	3.1	1.4		mg/L
6/9/2020	MW5SR	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	MW5SR	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	MW5SR	Sulfate	15.6	1.7		mg/L
6/9/2020	MW5SR	Alkalinity, Total	278	12		mg/L
6/9/2020	MW5SR	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW5SR	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW5SR	Barium	0.035	0.005	^	mg/L
6/9/2020	MW5SR	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW5SR	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW5SR	Calcium	66.9	0.1		mg/L
6/9/2020	MW5SR	Chromium	0.003	0.003	U	mg/L
6/9/2020	MW5SR	Cobalt	0.003	0.003	U	mg/L
6/9/2020	MW5SR	Copper	0.004	0.004	U	mg/L
6/9/2020	MW5SR	Iron	0.99	0.06		mg/L
6/9/2020	MW5SR	Magnesium	24	0.05		mg/L
6/9/2020	MW5SR	Manganese	0.23	0.001		mg/L
6/9/2020	MW5SR	Nickel	0.004	0.004	U	mg/L
6/9/2020	MW5SR	Potassium	2.1	0.2		mg/L
6/9/2020	MW5SR	Selenium	0.01	0.01	U	mg/L
6/9/2020	MW5SR	Silver	0.004	0.004	U	mg/L
6/9/2020	MW5SR	Sodium	5	1		mg/L
6/9/2020	MW5SR	Vanadium	0.003	0.003	U	mg/L
6/9/2020	MW5SR	Zinc	0.005	0.005	U	mg/L
6/9/2020	MW5SR	Antimony	0.006	0.006	U	mg/L
6/9/2020	MW5SR	Arsenic	0.0017	0.001		mg/L
6/9/2020	MW5SR	Lead	0.001	0.001	U	mg/L
6/9/2020	MW5SR	Thallium	0.002	0.002	U	mg/L
6/9/2020	MW5SR	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	MW5SR	Depth to water from land surface	6.2			feet
6/9/2020	MW5SR	Depth to Water from Top of Casing	7.85			feet
6/9/2020	MW5SR	Dissolved Oxygen, Field	0.25			mg/L
6/9/2020	MW5SR	Elevation, Bottom of Well	725.24			famsl
6/9/2020	MW5SR	Ferrous Iron	0.63			mg/L
6/9/2020	MW5SR	Field EH/ORP	-20.8			millivolts
6/9/2020	MW5SR	Measuring Point Elevation	748.17			famsl
6/9/2020	MW5SR	pH, Field	7.22			SU
6/9/2020	MW5SR	Specific Conductance, Field	491			µmhos/cm
6/9/2020	MW5SR	Temperature	50.4			fahrenheit
6/9/2020	MW5SR	Turbidity	6.5			NTU
6/9/2020	MW5SR	Water Elevation	740.32			famsl
6/9/2020	MW5SR	Total Dissolved Solids	261	10		mg/L
6/9/2020	MW5SR	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW5SR	Sulfide	1000	1000	U	µg/L
6/9/2020	MW5SR	Total Organic Carbon	3.3	1		mg/L
6/10/2020	MW6S	Chloride	171	2.8		mg/L
6/10/2020	MW6S	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	MW6S	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	MW6S	Sulfate	26.2	3.5		mg/L
6/10/2020	MW6S	Alkalinity, Total	497	20		mg/L
6/10/2020	MW6S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW6S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW6S	Barium	0.16	0.005	^	mg/L
6/10/2020	MW6S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW6S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW6S	Calcium	119	0.1		mg/L
6/10/2020	MW6S	Chromium	0.003	0.003	U	mg/L
6/10/2020	MW6S	Cobalt	0.003	0.003	U	mg/L
6/10/2020	MW6S	Copper	0.004	0.004	U	mg/L
6/10/2020	MW6S	Iron	11.5	0.06		mg/L
6/10/2020	MW6S	Magnesium	47.9	0.05		mg/L
6/10/2020	MW6S	Manganese	0.41	0.001		mg/L
6/10/2020	MW6S	Nickel	0.004	0.004	U	mg/L
6/10/2020	MW6S	Potassium	9	0.2		mg/L
6/10/2020	MW6S	Selenium	0.01	0.01	U	mg/L
6/10/2020	MW6S	Silver	0.004	0.004	U	mg/L
6/10/2020	MW6S	Sodium	98.4	1		mg/L
6/10/2020	MW6S	Vanadium	0.003	0.003	U	mg/L
6/10/2020	MW6S	Zinc	0.005	0.005	U	mg/L
6/10/2020	MW6S	Antimony	0.006	0.006	U	mg/L

**Appendix E1. Groundwater Sample Results**  
**Tri-County Landfill / SCS Engineers Project No. 25212003.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW6S	Arsenic	0.0058	0.001		mg/L
6/10/2020	MW6S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW6S	Thallium	0.002	0.002	U	mg/L
6/10/2020	MW6S	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	MW6S	Depth to water from land surface	0.01			feet
6/10/2020	MW6S	Depth to Water from Top of Casing	2.41			feet
6/10/2020	MW6S	Dissolved Oxygen, Field	0.44			mg/L
6/10/2020	MW6S	Elevation, Bottom of Well	729.32			famsl
6/10/2020	MW6S	Ferrous Iron	3.3			mg/L
6/10/2020	MW6S	Field EH/ORP	148.7			millivolts
6/10/2020	MW6S	Measuring Point Elevation	743.96			famsl
6/10/2020	MW6S	pH, Field	6.86			SU
6/10/2020	MW6S	Specific Conductance, Field	1464			µmhos/cm
6/10/2020	MW6S	Temperature	64.9			fahrenheit
6/10/2020	MW6S	Turbidity	1.84			NTU
6/10/2020	MW6S	Water Elevation	741.55			famsl
6/10/2020	MW6S	Total Dissolved Solids	699	10		mg/L
6/10/2020	MW6S	Total Suspended Solids	16	4		mg/L
6/10/2020	MW6S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW6S	Total Organic Carbon	5.1	1		mg/L

**Abbreviations:**

µg/L = micrograms per liter  
mg/L = milligrams per liter  
mg/L as N = milligrams per liter as nitrogen  
famsl = feet above mean sea level

SU = Standard Units  
µmhos/cm = microsiemens per centimeter  
EH/ORP = Oxidation Reduction Potential  
NTU = nephelometric turbidity unit

**Notes:**

- 1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field EH/ORP, pH, Specific Conductance, Temperature, Turbidity
- 2) Depth to water from land surface, Depth to Water from Top of Casing, and the associated results for Water Elevation and Bottom of Well Elevation, in this table are from measurements taken at the time of sampling.

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit  
^ = Instrument related Quality Control is outside acceptance limits

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
Date: 7/17/2020  
Date: 7/17/2020

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**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	G111	Alkalinity, Total	734	10		mg/L
6/9/2020	G111	Aluminum	0.086	0.06		mg/L
6/9/2020	G111	Antimony	0.001	0.001	U	mg/L
6/9/2020	G111	Arsenic	0.003	0.003	U	mg/L
6/9/2020	G111	Barium	0.45	0.005	^	mg/L
6/9/2020	G111	Beryllium	0.001	0.001	U	mg/L
6/9/2020	G111	Cadmium	0.001	0.001	U	mg/L
6/9/2020	G111	Calcium	151	0.5		mg/L
6/9/2020	G111	Chloride	320	10		mg/L
6/9/2020	G111	Chromium	0.005	0.005	U	mg/L
6/9/2020	G111	Cobalt	0.05	0.05	U	mg/L
6/9/2020	G111	Copper	0.01	0.01	U	mg/L
6/9/2020	G111	Dissolved Oxygen, Field	1.05			mg/L
6/8/2020	G111	Ferrous Iron	2.7			mg/L
6/9/2020	G111	Field Turbidity	2.5			NTU
6/9/2020	G111	Iron	6.9	0.14		mg/L
6/9/2020	G111	Lead	0.001	0.001	U	mg/L
6/9/2020	G111	Magnesium	99.6	0.2		mg/L
6/9/2020	G111	Manganese	0.031	0.003		mg/L
6/9/2020	G111	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	G111	Nickel	0.01	0.01	U	mg/L
6/8/2020	G111	Nitrate	0.01	0.01	U	mg/L
6/8/2020	G111	Nitrite	0.01	0.01	U	mg/L
6/9/2020	G111	Oxidation Reduction Potential	-102			millivolts
6/9/2020	G111	pH, Field	7.49			SU
6/9/2020	G111	Potassium	8.9	0.5		mg/L
6/9/2020	G111	Selenium	0.015	0.015	U	mg/L
6/9/2020	G111	Silver	0.003	0.003	U	mg/L
6/9/2020	G111	Sodium	182	5		mg/L
6/9/2020	G111	Specific Conductance	2130			µmhos/cm
6/9/2020	G111	Sulfate	26.6	10		mg/L
6/9/2020	G111	Sulfide	1000	1000	U	µg/L
6/9/2020	G111	Temperature	15.21			celsius
6/9/2020	G111	Thallium	0.001	0.001	U	mg/L
6/9/2020	G111	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	G111	Total Dissolved Solids	1250	20		mg/L
6/9/2020	G111	Total Organic Carbon	20.4	1		mg/L
6/9/2020	G111	Total Suspended Solids	9.2	4		mg/L
6/9/2020	G111	Vanadium	0.045	0.045	U	mg/L
6/9/2020	G111	Zinc	0.02	0.02	U	mg/L
6/8/2020	G141	Alkalinity, Total	339	10		mg/L
6/8/2020	G141	Aluminum	0.06	0.06	U	mg/L
6/8/2020	G141	Antimony	0.001	0.001	U	mg/L
6/8/2020	G141	Arsenic	0.003	0.003	U	mg/L
6/8/2020	G141	Barium	0.17	0.005	^	mg/L
6/8/2020	G141	Beryllium	0.001	0.001	U	mg/L
6/8/2020	G141	Cadmium	0.001	0.001	U	mg/L
6/8/2020	G141	Calcium	99.4	0.5		mg/L
6/8/2020	G141	Chloride	182	5		mg/L
6/8/2020	G141	Chromium	0.005	0.005	U	mg/L
6/8/2020	G141	Cobalt	0.05	0.05	U	mg/L
6/8/2020	G141	Copper	0.01	0.01	U	mg/L
6/8/2020	G141	Dissolved Oxygen, Field	3.6			mg/L
6/9/2020	G141	Ferrous Iron	0.86			mg/L
6/8/2020	G141	Field Turbidity	4.7			NTU
6/8/2020	G141	Iron	2.3	0.14		mg/L
6/8/2020	G141	Lead	0.001	0.001	U	mg/L
6/8/2020	G141	Magnesium	61.3	0.2		mg/L
6/8/2020	G141	Manganese	0.028	0.003		mg/L
6/8/2020	G141	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	G141	Nickel	0.01	0.01	U	mg/L
6/8/2020	G141	Nitrate	0.01	0.01	U	mg/L
6/8/2020	G141	Nitrite	0.01	0.01	U	mg/L
6/8/2020	G141	Oxidation Reduction Potential	-54			millivolts
6/8/2020	G141	pH, Field	7.82			SU
6/8/2020	G141	Potassium	2.5	0.5		mg/L
6/8/2020	G141	Selenium	0.015	0.015	U	mg/L
6/8/2020	G141	Silver	0.003	0.003	U	mg/L
6/8/2020	G141	Sodium	30	5		mg/L
6/8/2020	G141	Specific Conductance	834			µmhos/cm
6/8/2020	G141	Sulfate	5.4	5		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	G141	Sulfide	1000	1000	U	µg/L
6/8/2020	G141	Temperature	14.86			celsius
6/8/2020	G141	Thallium	0.001	0.001	U	mg/L
6/8/2020	G141	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	G141	Total Dissolved Solids	664	10		mg/L
6/8/2020	G141	Total Organic Carbon	7.3	1		mg/L
6/8/2020	G141	Total Suspended Solids	5.6	4		mg/L
6/8/2020	G141	Vanadium	0.045	0.045	U	mg/L
6/8/2020	G141	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW20S	Alkalinity, Total	348	10		mg/L
6/9/2020	MW20S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW20S	Antimony	0.0027	0.001		mg/L
6/9/2020	MW20S	Arsenic	0.0089	0.003		mg/L
6/9/2020	MW20S	Barium	0.11	0.005	^	mg/L
6/9/2020	MW20S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Calcium	104	0.5		mg/L
6/9/2020	MW20S	Chloride	28.8	2		mg/L
6/9/2020	MW20S	Chromium	8.6	0.005		mg/L
6/9/2020	MW20S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW20S	Copper	0.028	0.01		mg/L
6/9/2020	MW20S	Dissolved Oxygen, Field	4.09			mg/L
6/9/2020	MW20S	Ferrous Iron	> 3.0			mg/L
6/9/2020	MW20S	Field Turbidity	246			NTU
6/9/2020	MW20S	Iron	16.1	0.14		mg/L
6/9/2020	MW20S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW20S	Magnesium	35.7	0.2		mg/L
6/9/2020	MW20S	Manganese	0.43	0.003		mg/L
6/9/2020	MW20S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW20S	Nickel	1.6	0.01		mg/L
6/9/2020	MW20S	Nitrate	1.95	0.1		mg/L
6/9/2020	MW20S	Nitrite	0.01	0.01		mg/L
6/9/2020	MW20S	Oxidation Reduction Potential	-22			millivolts
6/9/2020	MW20S	pH, Field	7.23			SU
6/9/2020	MW20S	Potassium	3.1	0.5		mg/L
6/9/2020	MW20S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW20S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW20S	Sodium	5.6	5		mg/L
6/9/2020	MW20S	Specific Conductance	532			µmhos/cm
6/9/2020	MW20S	Sulfate	17.7	2		mg/L
6/9/2020	MW20S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW20S	Temperature	21.38			celsius
6/9/2020	MW20S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW20S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW20S	Total Dissolved Solids	516	10		mg/L
6/9/2020	MW20S	Total Organic Carbon	2.3	1		mg/L
6/9/2020	MW20S	Total Suspended Solids	75.6	4		mg/L
6/9/2020	MW20S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW20S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW21S	Alkalinity, Total	518	10		mg/L
6/9/2020	MW21S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW21S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW21S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW21S	Barium	0.27	0.005	^	mg/L
6/9/2020	MW21S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Calcium	89.6	0.5		mg/L
6/9/2020	MW21S	Chloride	138	5		mg/L
6/9/2020	MW21S	Chromium	0.005	0.005	U	mg/L
6/9/2020	MW21S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW21S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW21S	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	MW21S	Ferrous Iron	0.17			mg/L
6/9/2020	MW21S	Field Turbidity	8.1			NTU
6/9/2020	MW21S	Iron	1.3	0.14		mg/L
6/9/2020	MW21S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW21S	Magnesium	49	0.2		mg/L
6/9/2020	MW21S	Manganese	0.15	0.003		mg/L
6/9/2020	MW21S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW21S	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW21S	Nitrate	0.18	0.1		mg/L



**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW21S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW21S	Oxidation Reduction Potential	-42			millivolts
6/9/2020	MW21S	pH, Field	7.53			SU
6/9/2020	MW21S	Potassium	26.8	0.5		mg/L
6/9/2020	MW21S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW21S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW21S	Sodium	118	5		mg/L
6/9/2020	MW21S	Specific Conductance	981			µmhos/cm
6/9/2020	MW21S	Sulfate	76.3	5		mg/L
6/9/2020	MW21S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW21S	Temperature	16.95			celsius
6/9/2020	MW21S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW21S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW21S	Total Dissolved Solids	868	20		mg/L
6/9/2020	MW21S	Total Organic Carbon	9.8	1		mg/L
6/9/2020	MW21S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW21S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW21S	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW22I	Alkalinity, Total	462	10		mg/L
6/10/2020	MW22I	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW22I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW22I	Arsenic	0.0067	0.003		mg/L
6/10/2020	MW22I	Barium	0.25	0.005	^	mg/L
6/10/2020	MW22I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Calcium	89.8	0.5		mg/L
6/10/2020	MW22I	Chloride	16.1	2		mg/L
6/10/2020	MW22I	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW22I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW22I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW22I	Dissolved Oxygen, Field	0.14			mg/L
6/10/2020	MW22I	Ferrous Iron	0.14			mg/L
6/10/2020	MW22I	Field Turbidity	1.2			NTU
6/10/2020	MW22I	Iron	4	0.14		mg/L
6/10/2020	MW22I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW22I	Magnesium	43.1	0.2		mg/L
6/10/2020	MW22I	Manganese	0.41	0.003		mg/L
6/10/2020	MW22I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW22I	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW22I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW22I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW22I	Oxidation Reduction Potential	-79			millivolts
6/10/2020	MW22I	pH, Field	7.41			SU
6/10/2020	MW22I	Potassium	12.3	0.5		mg/L
6/10/2020	MW22I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW22I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW22I	Sodium	28.5	5		mg/L
6/10/2020	MW22I	Specific Conductance	685			µmhos/cm
6/10/2020	MW22I	Sulfate	30.6	2		mg/L
6/10/2020	MW22I	Sulfide	1000	1000	U	µg/L
6/10/2020	MW22I	Temperature	12.75			celsius
6/10/2020	MW22I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW22I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW22I	Total Dissolved Solids	515	10		mg/L
6/10/2020	MW22I	Total Organic Carbon	3.9	1		mg/L
6/10/2020	MW22I	Total Suspended Solids	16.4	4		mg/L
6/10/2020	MW22I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW22I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW23I	Alkalinity, Total	572	10		mg/L
6/10/2020	MW23I	Aluminum	0.56	0.06		mg/L
6/10/2020	MW23I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW23I	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW23I	Barium	0.37	0.005	^	mg/L
6/10/2020	MW23I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Calcium	108	0.5		mg/L
6/10/2020	MW23I	Chloride	128	5		mg/L
6/10/2020	MW23I	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW23I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW23I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW23I	Dissolved Oxygen, Field	0.65			mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW23I	Ferrous Iron	1.31			mg/L
6/10/2020	MW23I	Field Turbidity	28.9			NTU
6/10/2020	MW23I	Iron	3.2	0.14		mg/L
6/10/2020	MW23I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW23I	Magnesium	65.7	0.2		mg/L
6/10/2020	MW23I	Manganese	0.06	0.003		mg/L
6/10/2020	MW23I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW23I	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW23I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW23I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW23I	Oxidation Reduction Potential	-104			millivolts
6/10/2020	MW23I	pH, Field	7.51			SU
6/10/2020	MW23I	Potassium	14.6	0.5		mg/L
6/10/2020	MW23I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW23I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW23I	Sodium	92.4	5		mg/L
6/10/2020	MW23I	Specific Conductance	1090			µmhos/cm
6/10/2020	MW23I	Sulfate	37.3	5		mg/L
6/10/2020	MW23I	Sulfide	1000	1000	U	µg/L
6/10/2020	MW23I	Temperature	13.46			celsius
6/10/2020	MW23I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW23I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW23I	Total Dissolved Solids	642	10		mg/L
6/10/2020	MW23I	Total Organic Carbon	11.7	1		mg/L
6/10/2020	MW23I	Total Suspended Solids	20	4		mg/L
6/10/2020	MW23I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW23I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW24S	Alkalinity, Total	443	10		mg/L
6/10/2020	MW24S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW24S	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW24S	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW24S	Barium	0.072	0.005	^	mg/L
6/10/2020	MW24S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Calcium	110	0.5		mg/L
6/10/2020	MW24S	Chloride	14.8	5		mg/L
6/10/2020	MW24S	Chromium	0.0064	0.005		mg/L
6/10/2020	MW24S	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW24S	Copper	0.01	0.01	U	mg/L
6/10/2020	MW24S	Dissolved Oxygen, Field	7.48			mg/L
6/10/2020	MW24S	Ferrous Iron	0.23			mg/L
6/10/2020	MW24S	Field Turbidity	2.49			NTU
6/10/2020	MW24S	Iron	0.28	0.14		mg/L
6/10/2020	MW24S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW24S	Magnesium	49.8	0.2		mg/L
6/10/2020	MW24S	Manganese	0.023	0.003		mg/L
6/10/2020	MW24S	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW24S	Nickel	0.013	0.01		mg/L
6/10/2020	MW24S	Nitrate	1.8	0.1		mg/L
6/10/2020	MW24S	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW24S	Oxidation Reduction Potential	134			millivolts
6/10/2020	MW24S	pH, Field	7.55			SU
6/10/2020	MW24S	Potassium	2.9	0.5		mg/L
6/10/2020	MW24S	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW24S	Silver	0.003	0.003	U	mg/L
6/10/2020	MW24S	Sodium	27.5	5		mg/L
6/10/2020	MW24S	Specific Conductance	706			µmhos/cm
6/10/2020	MW24S	Sulfate	74.1	5		mg/L
6/10/2020	MW24S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW24S	Temperature	14.05			celsius
6/10/2020	MW24S	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW24S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW24S	Total Dissolved Solids	597	10		mg/L
6/10/2020	MW24S	Total Organic Carbon	3.1	1		mg/L
6/10/2020	MW24S	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW24S	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW24S	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW36D	Alkalinity, Total	403	10		mg/L
6/10/2020	MW36D	Aluminum	0.093	0.06		mg/L
6/10/2020	MW36D	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW36D	Arsenic	0.006	0.003		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW36D	Barium	0.14	0.005	^	mg/L
6/10/2020	MW36D	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Calcium	77.9	0.5		mg/L
6/10/2020	MW36D	Chloride	181	5		mg/L
6/10/2020	MW36D	Chromium	0.005	0.005	U	mg/L
6/10/2020	MW36D	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW36D	Copper	0.01	0.01	U	mg/L
6/10/2020	MW36D	Dissolved Oxygen, Field	0			mg/L
6/10/2020	MW36D	Ferrous Iron	0.45			mg/L
6/10/2020	MW36D	Field Turbidity	5.6			NTU
6/10/2020	MW36D	Iron	0.64	0.14		mg/L
6/10/2020	MW36D	Lead	0.001	0.001	U	mg/L
6/10/2020	MW36D	Magnesium	63.1	0.2		mg/L
6/10/2020	MW36D	Manganese	0.55	0.003		mg/L
6/10/2020	MW36D	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW36D	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW36D	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW36D	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW36D	Oxidation Reduction Potential	-30			millivolts
6/10/2020	MW36D	pH, Field	7.54			SU
6/10/2020	MW36D	Potassium	3.8	0.5		mg/L
6/10/2020	MW36D	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW36D	Silver	0.003	0.003	U	mg/L
6/10/2020	MW36D	Sodium	83.9	5		mg/L
6/10/2020	MW36D	Specific Conductance	1030			umhos/cm
6/10/2020	MW36D	Sulfate	5	5	U	mg/L
6/10/2020	MW36D	Sulfide	1000	1000	U	ug/L
6/10/2020	MW36D	Temperature	12.83			celsius
6/10/2020	MW36D	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW36D	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW36D	Total Dissolved Solids	784	10		mg/L
6/10/2020	MW36D	Total Organic Carbon	9.9	1		mg/L
6/10/2020	MW36D	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW36D	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW36D	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW36I	Alkalinity, Total	598	10		mg/L
6/9/2020	MW36I	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW36I	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW36I	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW36I	Barium	0.33	0.005	^	mg/L
6/9/2020	MW36I	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Calcium	137	0.5		mg/L
6/9/2020	MW36I	Chloride	269	5		mg/L
6/9/2020	MW36I	Chromium	0.016	0.005		mg/L
6/9/2020	MW36I	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW36I	Copper	0.01	0.01	U	mg/L
6/9/2020	MW36I	Dissolved Oxygen, Field	0.67			mg/L
6/9/2020	MW36I	Ferrous Iron	2.62			mg/L
6/9/2020	MW36I	Field Turbidity	21			NTU
6/9/2020	MW36I	Iron	9.1	0.14		mg/L
6/9/2020	MW36I	Lead	0.001	0.001	U	mg/L
6/9/2020	MW36I	Magnesium	89.2	0.2		mg/L
6/9/2020	MW36I	Manganese	0.26	0.003		mg/L
6/9/2020	MW36I	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW36I	Nickel	0.016	0.01		mg/L
6/9/2020	MW36I	Nitrate	0.01	0.01	U	mg/L
6/9/2020	MW36I	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW36I	Oxidation Reduction Potential	-90			millivolts
6/9/2020	MW36I	pH, Field	7.39			SU
6/9/2020	MW36I	Potassium	4.7	0.5		mg/L
6/9/2020	MW36I	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW36I	Silver	0.003	0.003	U	mg/L
6/9/2020	MW36I	Sodium	120	5		mg/L
6/9/2020	MW36I	Specific Conductance	1480			umhos/cm
6/9/2020	MW36I	Sulfate	28.5	5		mg/L
6/9/2020	MW36I	Sulfide	1000	1000	U	ug/L
6/9/2020	MW36I	Temperature	18.84			celsius
6/9/2020	MW36I	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW36I	Total Cyanide	0.02	0.02	U	mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW36I	Total Dissolved Solids	1110	20		mg/L
6/9/2020	MW36I	Total Organic Carbon	14.2	1		mg/L
6/9/2020	MW36I	Total Suspended Solids	19.6	4		mg/L
6/9/2020	MW36I	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW36I	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW36S	Alkalinity, Total	504	10		mg/L
6/9/2020	MW36S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW36S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW36S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW36S	Barium	0.08	0.005	^	mg/L
6/9/2020	MW36S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Calcium	121	0.5		mg/L
6/9/2020	MW36S	Chloride	28.5	5		mg/L
6/9/2020	MW36S	Chromium	0.062	0.005		mg/L
6/9/2020	MW36S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW36S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW36S	Dissolved Oxygen, Field	8.59			mg/L
6/9/2020	MW36S	Ferrous Iron	0.31			mg/L
6/9/2020	MW36S	Field Turbidity	24.8			NTU
6/9/2020	MW36S	Iron	0.68	0.14		mg/L
6/9/2020	MW36S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW36S	Magnesium	60.6	0.2		mg/L
6/9/2020	MW36S	Manganese	0.052	0.003		mg/L
6/9/2020	MW36S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW36S	Nickel	0.15	0.01		mg/L
6/9/2020	MW36S	Nitrate	2.87	0.1		mg/L
6/9/2020	MW36S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW36S	Oxidation Reduction Potential	128			millivolts
6/9/2020	MW36S	pH, Field	7.32			SU
6/9/2020	MW36S	Potassium	8.9	0.5		mg/L
6/9/2020	MW36S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW36S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW36S	Sodium	27.2	5		mg/L
6/9/2020	MW36S	Specific Conductance	811			µmhos/cm
6/9/2020	MW36S	Sulfate	73.7	5		mg/L
6/9/2020	MW36S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW36S	Temperature	13.56			celsius
6/9/2020	MW36S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW36S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW36S	Total Dissolved Solids	681	10		mg/L
6/9/2020	MW36S	Total Organic Carbon	3	1		mg/L
6/9/2020	MW36S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW36S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW36S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW37S	Alkalinity, Total	423	10		mg/L
6/9/2020	MW37S	Aluminum	0.06	0.06	U	mg/L
6/9/2020	MW37S	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW37S	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW37S	Barium	0.069	0.005	^	mg/L
6/9/2020	MW37S	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Calcium	105	0.5		mg/L
6/9/2020	MW37S	Chloride	63.8	5		mg/L
6/9/2020	MW37S	Chromium	0.045	0.005		mg/L
6/9/2020	MW37S	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW37S	Copper	0.01	0.01	U	mg/L
6/9/2020	MW37S	Dissolved Oxygen, Field	5.17			mg/L
6/9/2020	MW37S	Ferrous Iron	0			mg/L
6/9/2020	MW37S	Field Turbidity	5.9			NTU
6/9/2020	MW37S	Iron	0.14	0.14		mg/L
6/9/2020	MW37S	Lead	0.001	0.001	U	mg/L
6/9/2020	MW37S	Magnesium	47.7	0.2		mg/L
6/9/2020	MW37S	Manganese	0.009	0.003		mg/L
6/9/2020	MW37S	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW37S	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW37S	Nitrate	0.84	0.1		mg/L
6/9/2020	MW37S	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW37S	Oxidation Reduction Potential	125			millivolts
6/9/2020	MW37S	pH, Field	7.78			SU
6/9/2020	MW37S	Potassium	3.9	0.5		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	MW37S	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW37S	Silver	0.003	0.003	U	mg/L
6/9/2020	MW37S	Sodium	23.2	5		mg/L
6/9/2020	MW37S	Specific Conductance	609			µmhos/cm
6/9/2020	MW37S	Sulfate	17.8	5		mg/L
6/9/2020	MW37S	Sulfide	1000	1000	U	µg/L
6/9/2020	MW37S	Temperature	26.45			celsius
6/9/2020	MW37S	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW37S	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW37S	Total Dissolved Solids	559	10		mg/L
6/9/2020	MW37S	Total Organic Carbon	1.7	1		mg/L
6/9/2020	MW37S	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW37S	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW37S	Zinc	0.02	0.02	U	mg/L
6/9/2020	MW38D	Alkalinity, Total	316	10		mg/L
6/9/2020	MW38D	Aluminum	0.13	0.06		mg/L
6/9/2020	MW38D	Antimony	0.001	0.001	U	mg/L
6/9/2020	MW38D	Arsenic	0.003	0.003	U	mg/L
6/9/2020	MW38D	Barium	0.088	0.005	^	mg/L
6/9/2020	MW38D	Beryllium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Cadmium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Calcium	56.6	0.5		mg/L
6/9/2020	MW38D	Chloride	48.1	2		mg/L
6/9/2020	MW38D	Chromium	0.12	0.005		mg/L
6/9/2020	MW38D	Cobalt	0.05	0.05	U	mg/L
6/9/2020	MW38D	Copper	0.01	0.01	U	mg/L
6/9/2020	MW38D	Dissolved Oxygen, Field	0.29			mg/L
6/9/2020	MW38D	Ferrous Iron	0.28			mg/L
6/9/2020	MW38D	Field Turbidity	1.1			NTU
6/9/2020	MW38D	Iron	1.2	0.14		mg/L
6/9/2020	MW38D	Lead	0.001	0.001	U	mg/L
6/9/2020	MW38D	Magnesium	42.3	0.2		mg/L
6/9/2020	MW38D	Manganese	0.2	0.003		mg/L
6/9/2020	MW38D	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	MW38D	Nickel	0.01	0.01	U	mg/L
6/9/2020	MW38D	Nitrate	0.01	0.01	U	mg/L
6/9/2020	MW38D	Nitrite	0.01	0.01	U	mg/L
6/9/2020	MW38D	Oxidation Reduction Potential	-44			millivolts
6/9/2020	MW38D	pH, Field	7.67			SU
6/9/2020	MW38D	Potassium	2.1	0.5		mg/L
6/9/2020	MW38D	Selenium	0.015	0.015	U	mg/L
6/9/2020	MW38D	Silver	0.003	0.003	U	mg/L
6/9/2020	MW38D	Sodium	26.6	5		mg/L
6/9/2020	MW38D	Specific Conductance	449			µmhos/cm
6/9/2020	MW38D	Sulfate	7.4	2		mg/L
6/9/2020	MW38D	Sulfide	1000	1000	U	µg/L
6/9/2020	MW38D	Temperature	21.32			celsius
6/9/2020	MW38D	Thallium	0.001	0.001	U	mg/L
6/9/2020	MW38D	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	MW38D	Total Dissolved Solids	428	10		mg/L
6/9/2020	MW38D	Total Organic Carbon	3.4	1		mg/L
6/9/2020	MW38D	Total Suspended Solids	4	4	U	mg/L
6/9/2020	MW38D	Vanadium	0.045	0.045	U	mg/L
6/9/2020	MW38D	Zinc	0.02	0.02	U	mg/L
6/8/2020	MW38I	Alkalinity, Total	325	10		mg/L
6/8/2020	MW38I	Aluminum	0.2	0.06		mg/L
6/8/2020	MW38I	Antimony	0.001	0.001	U	mg/L
6/8/2020	MW38I	Arsenic	0.003	0.003	U	mg/L
6/8/2020	MW38I	Barium	0.11	0.005	^	mg/L
6/8/2020	MW38I	Beryllium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Cadmium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Calcium	81.4	0.5		mg/L
6/8/2020	MW38I	Chloride	23.9	2		mg/L
6/8/2020	MW38I	Chromium	0.005	0.005	U	mg/L
6/8/2020	MW38I	Cobalt	0.05	0.05	U	mg/L
6/8/2020	MW38I	Copper	0.01	0.01	U	mg/L
6/8/2020	MW38I	Dissolved Oxygen, Field	0.52			mg/L
6/8/2020	MW38I	Ferrous Iron	0.44			mg/L
6/8/2020	MW38I	Field Turbidity	6.2			NTU
6/8/2020	MW38I	Iron	1.3	0.14		mg/L
6/8/2020	MW38I	Lead	0.001	0.001	U	mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	MW38I	Magnesium	38.9	0.2		mg/L
6/8/2020	MW38I	Manganese	0.021	0.003		mg/L
6/8/2020	MW38I	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	MW38I	Nickel	0.01	0.01	U	mg/L
6/8/2020	MW38I	Nitrate	0.01	0.01	U	mg/L
6/8/2020	MW38I	Nitrite	0.01	0.01	U	mg/L
6/8/2020	MW38I	Oxidation Reduction Potential	-92			millivolts
6/8/2020	MW38I	pH, Field	7.85			SU
6/8/2020	MW38I	Potassium	1.5	0.5		mg/L
6/8/2020	MW38I	Selenium	0.015	0.015	U	mg/L
6/8/2020	MW38I	Silver	0.003	0.003	U	mg/L
6/8/2020	MW38I	Sodium	12.8	5		mg/L
6/8/2020	MW38I	Specific Conductance	521			µmhos/cm
6/8/2020	MW38I	Sulfate	31.8	2		mg/L
6/8/2020	MW38I	Sulfide	1000	1000	U	µg/L
6/8/2020	MW38I	Temperature	13.8			celsius
6/8/2020	MW38I	Thallium	0.001	0.001	U	mg/L
6/8/2020	MW38I	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	MW38I	Total Dissolved Solids	469	10		mg/L
6/8/2020	MW38I	Total Organic Carbon	1.3	1		mg/L
6/8/2020	MW38I	Total Suspended Solids	4	4	U	mg/L
6/8/2020	MW38I	Vanadium	0.045	0.045	U	mg/L
6/8/2020	MW38I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9D	Alkalinity, Total	331	10		mg/L
6/10/2020	MW9D	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW9D	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9D	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9D	Barium	0.18	0.005	^	mg/L
6/10/2020	MW9D	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Calcium	105	0.5		mg/L
6/10/2020	MW9D	Chloride	139	5		mg/L
6/10/2020	MW9D	Chromium	0.0058	0.005		mg/L
6/10/2020	MW9D	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9D	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9D	Dissolved Oxygen, Field	0.58			mg/L
6/10/2020	MW9D	Ferrous Iron	0.61			mg/L
6/10/2020	MW9D	Field Turbidity	5.4			NTU
6/10/2020	MW9D	Iron	1.6	0.14		mg/L
6/10/2020	MW9D	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9D	Magnesium	50.2	0.2		mg/L
6/10/2020	MW9D	Manganese	0.05	0.003		mg/L
6/10/2020	MW9D	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9D	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW9D	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW9D	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9D	Oxidation Reduction Potential	-108			millivolts
6/10/2020	MW9D	pH, Field	7.82			SU
6/10/2020	MW9D	Potassium	2.5	0.5		mg/L
6/10/2020	MW9D	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9D	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9D	Sodium	89.5	5		mg/L
6/10/2020	MW9D	Specific Conductance	973			µmhos/cm
6/10/2020	MW9D	Sulfate	136	5		mg/L
6/10/2020	MW9D	Sulfide	1000	1000	U	µg/L
6/10/2020	MW9D	Temperature	11.67			celsius
6/10/2020	MW9D	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9D	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9D	Total Dissolved Solids	765	10		mg/L
6/10/2020	MW9D	Total Organic Carbon	2.8	1		mg/L
6/10/2020	MW9D	Total Suspended Solids	11.2	4		mg/L
6/10/2020	MW9D	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9D	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9I	Alkalinity, Total	439	10		mg/L
6/10/2020	MW9I	Aluminum	0.078	0.06		mg/L
6/10/2020	MW9I	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9I	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9I	Barium	0.088	0.005	^	mg/L
6/10/2020	MW9I	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Calcium	111	0.5		mg/L



**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW9I	Chloride	67.3	5		mg/L
6/10/2020	MW9I	Chromium	0.21	0.005		mg/L
6/10/2020	MW9I	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9I	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9I	Dissolved Oxygen, Field	0			mg/L
6/10/2020	MW9I	Ferrous Iron	0.13			mg/L
6/10/2020	MW9I	Field Turbidity	5			NTU
6/10/2020	MW9I	Iron	0.49	0.14		mg/L
6/10/2020	MW9I	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9I	Magnesium	53	0.2		mg/L
6/10/2020	MW9I	Manganese	0.14	0.003		mg/L
6/10/2020	MW9I	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9I	Nickel	0.017	0.01		mg/L
6/10/2020	MW9I	Nitrate	0.01	0.01	U	mg/L
6/10/2020	MW9I	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9I	Oxidation Reduction Potential	21			millivolts
6/10/2020	MW9I	pH, Field	7.38			SU
6/10/2020	MW9I	Potassium	3	0.5		mg/L
6/10/2020	MW9I	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9I	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9I	Sodium	73.4	5		mg/L
6/10/2020	MW9I	Specific Conductance	895			umhos/cm
6/10/2020	MW9I	Sulfate	122	5		mg/L
6/10/2020	MW9I	Sulfide	1000	1000	U	ug/L
6/10/2020	MW9I	Temperature	12.09			celsius
6/10/2020	MW9I	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9I	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9I	Total Dissolved Solids	730	10		mg/L
6/10/2020	MW9I	Total Organic Carbon	3.1	1		mg/L
6/10/2020	MW9I	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW9I	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9I	Zinc	0.02	0.02	U	mg/L
6/10/2020	MW9S	Alkalinity, Total	393	10		mg/L
6/10/2020	MW9S	Aluminum	0.06	0.06	U	mg/L
6/10/2020	MW9S	Antimony	0.001	0.001	U	mg/L
6/10/2020	MW9S	Arsenic	0.003	0.003	U	mg/L
6/10/2020	MW9S	Barium	0.066	0.005	^	mg/L
6/10/2020	MW9S	Beryllium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Cadmium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Calcium	97.1	0.5		mg/L
6/10/2020	MW9S	Chloride	36.6	2		mg/L
6/10/2020	MW9S	Chromium	0.097	0.005		mg/L
6/10/2020	MW9S	Cobalt	0.05	0.05	U	mg/L
6/10/2020	MW9S	Copper	0.01	0.01	U	mg/L
6/10/2020	MW9S	Dissolved Oxygen, Field	7.34			mg/L
6/10/2020	MW9S	Ferrous Iron	0.51			mg/L
6/10/2020	MW9S	Field Turbidity	7.7			NTU
6/10/2020	MW9S	Iron	0.57	0.14		mg/L
6/10/2020	MW9S	Lead	0.001	0.001	U	mg/L
6/10/2020	MW9S	Magnesium	44.5	0.2		mg/L
6/10/2020	MW9S	Manganese	0.0033	0.003		mg/L
6/10/2020	MW9S	Mercury	0.0004	0.0004	U	mg/L
6/10/2020	MW9S	Nickel	0.01	0.01	U	mg/L
6/10/2020	MW9S	Nitrate	0.46	0.1		mg/L

**Appendix E2. Groundwater Sample Results**  
**Elgin Landfill / SCS Engineers Project No. 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	MW9S	Nitrite	0.01	0.01	U	mg/L
6/10/2020	MW9S	Oxidation Reduction Potential	111			millivolts
6/10/2020	MW9S	pH, Field	7.51			SU
6/10/2020	MW9S	Potassium	1.8	0.5		mg/L
6/10/2020	MW9S	Selenium	0.015	0.015	U	mg/L
6/10/2020	MW9S	Silver	0.003	0.003	U	mg/L
6/10/2020	MW9S	Sodium	19.3	5		mg/L
6/10/2020	MW9S	Specific Conductance	613			µmhos/cm
6/10/2020	MW9S	Sulfate	47.7	2		mg/L
6/10/2020	MW9S	Sulfide	1000	1000	U	µg/L
6/10/2020	MW9S	Temperature	15.31			celsius
6/10/2020	MW9S	Thallium	0.001	0.001	U	mg/L
6/10/2020	MW9S	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	MW9S	Total Dissolved Solids	508	10		mg/L
6/10/2020	MW9S	Total Organic Carbon	2.7	1		mg/L
6/10/2020	MW9S	Total Suspended Solids	4	4	U	mg/L
6/10/2020	MW9S	Vanadium	0.045	0.045	U	mg/L
6/10/2020	MW9S	Zinc	0.02	0.02	U	mg/L

**Abbreviations:**

µg/L = micrograms per liter

mg/L = milligrams per liter

mg/L as N = milligrams per liter as nitrogen

> = greater than

SU = Standard Units

µmhos/cm = microsiemens per centimeter

NTU = nephelometric turbidity unit

**Notes:**

1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field Turbidity, Oxidation Reduction Potential, pH, Specific Conductance, and Temperature.

2) Results for nitrate and nitrite were input to this table by SCS from laboratory reports by First Environmental Laboratories, Inc. Other data is from the electronic data deliverable (EDD) from TestAmerica.

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit

^ = Instrument related Quality Control is outside acceptance limits

Created by: ZTW  
 Last revision by: ZTW  
 Checked by: MCK

Date: 2/12/2019  
 Date: 7/17/2020  
 Date: 7/17/2020

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**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW07	Chloride	763	5.6		mg/L
6/8/2020	PW07	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW07	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW07	Sulfate	7	7	U	mg/L
6/8/2020	PW07	Alkalinity, Total	1270	52		mg/L
6/8/2020	PW07	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW07	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW07	Barium	0.17	0.005	^	mg/L
6/8/2020	PW07	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW07	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW07	Calcium	23.7	0.1		mg/L
6/8/2020	PW07	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW07	Cobalt	0.0052	0.003		mg/L
6/8/2020	PW07	Copper	0.015	0.004		mg/L
6/8/2020	PW07	Iron	1.4	0.06		mg/L
6/8/2020	PW07	Magnesium	18.5	0.05		mg/L
6/8/2020	PW07	Manganese	0.0079	0.001		mg/L
6/8/2020	PW07	Nickel	0.058	0.004		mg/L
6/8/2020	PW07	Potassium	22.1	0.2		mg/L
6/8/2020	PW07	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW07	Silver	0.004	0.004	U	mg/L
6/8/2020	PW07	Sodium	837	1.6		mg/L
6/8/2020	PW07	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW07	Zinc	0.025	0.005		mg/L
6/8/2020	PW07	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW07	Arsenic	0.0074	0.001		mg/L
6/8/2020	PW07	Lead	0.001	0.001	U	mg/L
6/8/2020	PW07	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW07	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW07	Dissolved Oxygen, Field	3.72			mg/L
6/8/2020	PW07	Ferrous Iron	0.16			mg/L
6/8/2020	PW07	Field EH/ORP	123.3			millivolts
6/8/2020	PW07	pH, Field	7.29			SU
6/8/2020	PW07	Specific Conductance, Field	4199			µmhos/cm
6/8/2020	PW07	Temperature	77.9			fahrenheit
6/8/2020	PW07	Turbidity	1.97			NTU
6/8/2020	PW07	Total Dissolved Solids	1940	10		mg/L
6/8/2020	PW07	Total Suspended Solids	7.6	4		mg/L
6/8/2020	PW07	Sulfide	1000	1000	U	µg/L
6/8/2020	PW07	Total Organic Carbon	63.5	1		mg/L
6/8/2020	PW09	Chloride	106	1.4		mg/L
6/8/2020	PW09	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW09	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW09	Sulfate	20.9	1.7		mg/L
6/8/2020	PW09	Alkalinity, Total	427	20		mg/L
6/8/2020	PW09	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW09	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW09	Barium	0.15	0.005	^	mg/L
6/8/2020	PW09	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW09	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW09	Calcium	83.9	0.1		mg/L
6/8/2020	PW09	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW09	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW09	Copper	0.0078	0.004		mg/L
6/8/2020	PW09	Iron	0.61	0.06		mg/L
6/8/2020	PW09	Magnesium	64.6	0.05		mg/L
6/8/2020	PW09	Manganese	0.0073	0.001		mg/L
6/8/2020	PW09	Nickel	0.0046	0.004		mg/L
6/8/2020	PW09	Potassium	2.4	0.2		mg/L
6/8/2020	PW09	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW09	Silver	0.004	0.004	U	mg/L
6/8/2020	PW09	Sodium	35.6	1		mg/L
6/8/2020	PW09	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW09	Zinc	0.14	0.005		mg/L
6/8/2020	PW09	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW09	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW09	Lead	0.0014	0.001		mg/L

**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW09	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW09	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW09	Dissolved Oxygen, Field	8.18			mg/L
6/8/2020	PW09	Ferrous Iron	0.02			mg/L
6/8/2020	PW09	Field EH/ORP	-85.6			millivolts
6/8/2020	PW09	pH, Field	7.78			SU
6/8/2020	PW09	Specific Conductance, Field	1035			µmhos/cm
6/8/2020	PW09	Temperature	64.3			fahrenheit
6/8/2020	PW09	Turbidity	5.61			NTU
6/8/2020	PW09	Total Dissolved Solids	569	10		mg/L
6/8/2020	PW09	Total Suspended Solids	4.4	4		mg/L
6/8/2020	PW09	Sulfide	1000	1000	U	µg/L
6/8/2020	PW09	Total Organic Carbon	4.2	1		mg/L
6/8/2020	PW22	Chloride	135	1.4		mg/L
6/8/2020	PW22	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW22	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW22	Sulfate	10.5	1.7		mg/L
6/8/2020	PW22	Alkalinity, Total	476	20		mg/L
6/8/2020	PW22	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW22	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW22	Barium	0.27	0.005	^	mg/L
6/8/2020	PW22	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW22	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW22	Calcium	87.3	0.1		mg/L
6/8/2020	PW22	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW22	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW22	Copper	0.021	0.004		mg/L
6/8/2020	PW22	Iron	0.72	0.06		mg/L
6/8/2020	PW22	Magnesium	66	0.05		mg/L
6/8/2020	PW22	Manganese	0.01	0.001		mg/L
6/8/2020	PW22	Nickel	0.004	0.004	U	mg/L
6/8/2020	PW22	Potassium	7.1	0.2		mg/L
6/8/2020	PW22	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW22	Silver	0.004	0.004	U	mg/L
6/8/2020	PW22	Sodium	63.1	1		mg/L
6/8/2020	PW22	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW22	Zinc	0.013	0.005		mg/L
6/8/2020	PW22	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW22	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW22	Lead	0.001	0.001		mg/L
6/8/2020	PW22	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW22	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW22	Dissolved Oxygen, Field	1.86			mg/L
6/8/2020	PW22	Ferrous Iron	0.61			mg/L
6/8/2020	PW22	Field EH/ORP	-85.3			millivolts
6/8/2020	PW22	pH, Field	7.23			SU
6/8/2020	PW22	Specific Conductance, Field	1284			µmhos/cm
6/8/2020	PW22	Temperature	66.7			fahrenheit
6/8/2020	PW22	Turbidity	0.37			NTU
6/8/2020	PW22	Total Dissolved Solids	614	10		mg/L
6/8/2020	PW22	Total Suspended Solids	4	4	U	mg/L
6/8/2020	PW22	Sulfide	1000	1000	U	µg/L
6/8/2020	PW22	Total Organic Carbon	7.9	1		mg/L
6/8/2020	PW23	Chloride	268	2.8		mg/L
6/8/2020	PW23	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	PW23	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	PW23	Sulfate	12.4	3.5		mg/L
6/8/2020	PW23	Alkalinity, Total	637	28		mg/L
6/8/2020	PW23	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	PW23	Aluminum	0.06	0.06	U	mg/L
6/8/2020	PW23	Barium	0.35	0.005	^	mg/L
6/8/2020	PW23	Beryllium	0.001	0.001	U	mg/L
6/8/2020	PW23	Cadmium	0.001	0.001	U	mg/L
6/8/2020	PW23	Calcium	111	0.1		mg/L
6/8/2020	PW23	Chromium	0.003	0.003	U	mg/L
6/8/2020	PW23	Cobalt	0.003	0.003	U	mg/L
6/8/2020	PW23	Copper	0.013	0.004		mg/L

**Appendix E3. Private Well Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	PW23	Iron	2.2	0.06		mg/L
6/8/2020	PW23	Magnesium	95.2	0.05		mg/L
6/8/2020	PW23	Manganese	0.02	0.001		mg/L
6/8/2020	PW23	Nickel	0.018	0.004		mg/L
6/8/2020	PW23	Potassium	5.5	0.2		mg/L
6/8/2020	PW23	Selenium	0.01	0.01	U	mg/L
6/8/2020	PW23	Silver	0.004	0.004	U	mg/L
6/8/2020	PW23	Sodium	119	1		mg/L
6/8/2020	PW23	Vanadium	0.003	0.003	U	mg/L
6/8/2020	PW23	Zinc	0.011	0.005		mg/L
6/8/2020	PW23	Antimony	0.006	0.006	U	mg/L
6/8/2020	PW23	Arsenic	0.001	0.001	U	mg/L
6/8/2020	PW23	Lead	0.001	0.001	U	mg/L
6/8/2020	PW23	Thallium	0.002	0.002	U	mg/L
6/8/2020	PW23	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	PW23	Dissolved Oxygen, Field	2.62			mg/L
6/8/2020	PW23	Ferrous Iron	1.83			mg/L
6/8/2020	PW23	Field EH/ORP	173.9			millivolts
6/8/2020	PW23	pH, Field	7.17			SU
6/8/2020	PW23	Specific Conductance, Field	1822			µmhos/cm
6/8/2020	PW23	Temperature	78.4			fahrenheit
6/8/2020	PW23	Turbidity	4.61			NTU
6/8/2020	PW23	Total Dissolved Solids	1070	10		mg/L
6/8/2020	PW23	Total Suspended Solids	4.8	4		mg/L
6/8/2020	PW23	Sulfide	1000	1000	U	µg/L
6/8/2020	PW23	Total Organic Carbon	19.5	1		mg/L

**Abbreviations:**

µg/L = micrograms per liter  
mg/L = milligrams per liter  
ntu = nephelometric turbidity unit

SU = Standard Units  
µmhos/cm = microsiemens per centimeter  
EH/ORP = Oxidation Reduction Potential

**Notes:**

1) The results for the following parameters were obtained in the field at the time of sampling: Dissolved Oxygen, Ferrous Iron, Field EH/ORP, pH, Specific Conductance, Temperature, Turbidity

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit  
^ = Instrument related QC is outside acceptance limits

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
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Date: 7/17/2020

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**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SC5 Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Alkalinity, Total	577	10		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Antimony	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Arsenic	0.003	0.003	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Barium	0.29	0.005	A	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Calcium	95.6	0.5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Chloride	134	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Chromium	0.005	0.005	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Cobalt	0.05	0.05	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Copper	0.01	0.01	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Dissolved Oxygen, Field	0.76			mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Field Turbidity	8.1			NTU
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Iron	2.2	0.14		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Magnesium	53.6	0.2		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Manganese	0.15	0.003		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Mercury	0.0004	0.0004	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nickel	0.01	0.01	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Oxidation Reduction Potential	-42			millivolts
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	pH, Field	7.53			SU
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Potassium	29.4	0.5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Selenium	0.015	0.015	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Silver	0.003	0.003	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sodium	122	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Specific Conductance	981			µmhos/cm
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sulfate	76.8	5		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Temperature	16.95			celsius
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Thallium	0.001	0.001	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Dissolved Solids	972	20		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Organic Carbon	9.7	1		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Total Suspended Solids	5.6	4		mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Vanadium	0.045	0.045	U	mg/L
6/9/2020	DUP (MW21S)	EL-GWMW21S-91	Elgin Landfill	Zinc	0.02	0.02	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Alkalinity, Total	323	10		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Aluminum	0.06	0.06	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Antimony	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Arsenic	0.003	0.003	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Barium	0.1	0.005	A	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Beryllium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Cadmium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Calcium	76.6	0.5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Chloride	24.3	2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Chromium	0.005	0.005	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Cobalt	0.05	0.05	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Copper	0.01	0.01	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Dissolved Oxygen, Field	0.52			mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Field Turbidity	6.2			NTU
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Iron	1	0.14		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Lead	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Magnesium	38.6	0.2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Manganese	0.018	0.003		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Mercury	0.0004	0.0004	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nickel	0.01	0.01	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Oxidation Reduction Potential	-92			millivolts
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	pH, Field	7.85			SU
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Potassium	1.4	0.5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Selenium	0.015	0.015	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Silver	0.003	0.003	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sodium	12.8	5		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Specific Conductance	521			µmhos/cm
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sulfate	31.7	2		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Temperature	13.8			celsius

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Thallium	0.001	0.001	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Dissolved Solids	400	10		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Organic Carbon	1.4	1		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Total Suspended Solids	9.2	4		mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Vanadium	0.045	0.045	U	mg/L
6/8/2020	DUP (MW38I)	EL-GWMW38I-91	Elgin Landfill	Zinc	0.02	0.02	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Alkalinity, Total	374	16		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Aluminum	0.65	0.06		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Barium	0.058	0.005	A	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Calcium	98.8	0.1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Chloride	8.5	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Chromium	0.0082	0.003		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Iron	0.97	0.06		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Magnesium	50	0.05		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Manganese	0.083	0.001		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nickel	0.0046	0.004		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Potassium	1.4	0.2		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sodium	103	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sulfate	79.5	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Dissolved Solids	464	10		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Organic Carbon	1.1	1		mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	DUP1 (MW10S)	DUP1	Tri-County Landfill	Zinc	0.0064	0.005		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Alkalinity, Total	279	16		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Arsenic	0.0018	0.001		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Barium	0.036	0.005	A	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Calcium	67.8	0.1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Chloride	3.3	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Iron	1	0.06		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Magnesium	24.7	0.05		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Manganese	0.24	0.001		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Potassium	2.2	0.2		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sodium	5.2	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sulfate	16.4	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Dissolved Solids	252	10		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Organic Carbon	3.3	1		mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Total Suspended Solids	4.4	4		mg/L



**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/9/2020	DUP2 (MW5SR)	DUP2	Tri-County Landfill	Zinc	0.0053	0.005		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Alkalinity, Total	267	12		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Barium	0.056	0.005	^	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Calcium	131	0.1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Chloride	15.9	2.8		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Magnesium	47.5	0.05		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nitrate	13.3	0.05		mg/L AS N
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Potassium	3.3	0.2		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sodium	13.1	1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sulfate	238	3.5		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Dissolved Solids	699	10		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Organic Carbon	2.3	1		mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	DUP3 (MW2SR)	DUP3	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Alkalinity, Total	10	10	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Chloride	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Sulfate	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Dissolved Solids	10	10	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Organic Carbon	1	1	U	mg/L
6/9/2020	Equipment Blank (MW20S)	E8	Elgin Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Alkalinity, Total	10	10	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Chloride	3.5	1		mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Nitrate	0.1	0.1	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Nitrite	0.1	0.1	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Sulfate	1.4	1		mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Total Dissolved Solids	10	10	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Total Organic Carbon	1	1	U	mg/L
6/8/2020	Field Blank (MW38I)	F801	Elgin Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Chloride	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sodium	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Organic Carbon	1	1	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/8/2020	FIELD BLANK01 (G112)	FIELD BLANK01	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Chloride	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Silver	0.004	0.004	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sodium	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Organic Carbon	1	1	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/9/2020	FIELD BLANK02 (MW25S)	FIELD BLANK02	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Alkalinity, Total	10	10	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Aluminum	0.06	0.06	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Antimony	0.006	0.006	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Arsenic	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Barium	0.005	0.005	U ^	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Beryllium	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Cadmium	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Calcium	0.1	0.1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Chloride	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Chromium	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Cobalt	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Copper	0.004	0.004	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Iron	0.06	0.06	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Lead	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Magnesium	0.05	0.05	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Manganese	0.001	0.001	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Mercury	0.0002	0.0002	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nickel	0.004	0.004	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nitrate	0.05	0.05	U	mg/L AS N
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Nitrite	0.05	0.05	U	mg/L AS N
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Potassium	0.2	0.2	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Selenium	0.01	0.01	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Silver	0.004	0.004	U	mg/L

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sodium	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sulfate	1	1	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Sulfide	1000	1000	U	µg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Thallium	0.002	0.002	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Cyanide	0.02	0.02	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Dissolved Solids	10	10	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Organic Carbon	2.9	1		mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Total Suspended Solids	4	4	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Vanadium	0.003	0.003	U	mg/L
6/10/2020	FIELD BLANK03 (MW40DR)	FIELD BLANK03	Tri-County Landfill	Zinc	0.005	0.005	U	mg/L
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Alkalinity, Total	130	16	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Aluminum	98	0.06		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Arsenic	102	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Barium	105	0.005	^	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Beryllium	106	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Cadmium	102	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Calcium	65	0.1	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Chloride	94	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Chromium	104	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Cobalt	96	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Copper	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Iron	96	0.06		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Lead	100	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Magnesium	82	0.05	4	%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Manganese	97	0.001		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Mercury	104	0.0002		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Nickel	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Potassium	104	0.2		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Selenium	105	0.01		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Silver	98	0.004		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sodium	92	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sulfate	94	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Thallium	104	0.002		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Total Cyanide	91	0.02		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Total Organic Carbon	116	1		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Vanadium	96	0.003		%
6/9/2020	Matrix Spike	MW131R	Tri-County Landfill	Zinc	97	0.005		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Alkalinity, Total	35	12	4	%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Aluminum	88	0.06		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Arsenic	99	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Barium	102	0.005	^	%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Beryllium	106	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Cadmium	100	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Calcium	101	0.1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Chloride	100	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Chromium	93	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Cobalt	95	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Copper	98	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Iron	97	0.06		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Lead	101	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Magnesium	110	0.05		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Manganese	105	0.001		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Mercury	102	0.0002		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Nickel	99	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Potassium	100	0.2		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Selenium	102	0.01		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Silver	98	0.004		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sodium	99	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sulfate	98	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Sulfide	104	1000		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Thallium	99	0.002		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Total Cyanide	94	0.02		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Total Organic Carbon	117	1		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Vanadium	95	0.003		%
6/10/2020	Matrix Spike 2	MW21R	Tri-County Landfill	Zinc	101	0.005		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Alkalinity, Total	19	10	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Aluminum	103	0.06		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Antimony	112	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Arsenic	105	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Barium	94	0.005	^	%

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Beryllium	101	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Cadmium	104	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Calcium	64	0.5	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Chloride	100	10		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Chromium	102	0.005		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Cobalt	98	0.05		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Copper	99	0.01		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Iron	102	0.14		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Lead	109	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Magnesium	75	0.2	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Manganese	97	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Mercury	102	0.0004		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Nickel	99	0.01		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Potassium	100	0.5		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Selenium	104	0.015		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Silver	99	0.003		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sodium	35	5	4	%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sulfate	100	10		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Thallium	99	0.001		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Total Cyanide	93	0.02		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Total Organic Carbon	112	1		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Vanadium	103	0.045		%
6/9/2020	Matrix Spike 3	EL-GWG111-01	Elgin Landfill	Zinc	101	0.02		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Alkalinity, Total	111	16	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Aluminum	98	0.06		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Arsenic	101	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Barium	105	0.005	^	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Beryllium	107	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Cadmium	103	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Calcium	74	0.1	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Chloride	94	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Chromium	105	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Cobalt	97	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Copper	99	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Iron	97	0.06		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Lead	101	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Magnesium	86	0.05	4	%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Manganese	98	0.001		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Mercury	105	0.0002		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Nickel	99	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Potassium	104	0.2		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Selenium	105	0.01		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Silver	100	0.004		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sodium	94	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sulfate	93	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Sulfide	104	1000		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Thallium	104	0.002		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Total Cyanide	92	0.02		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Total Organic Carbon	113	1		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Vanadium	97	0.003		%
6/9/2020	Matrix Spike Duplicate	MW131R	Tri-County Landfill	Zinc	98	0.005		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Alkalinity, Total	46	12	4	%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Aluminum	98	0.06		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Arsenic	102	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Barium	114	0.005	^	%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Beryllium	104	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Cadmium	99	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Calcium	90	0.1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Chloride	101	1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Chromium	91	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Cobalt	94	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Copper	96	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Iron	96	0.06		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Lead	103	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Magnesium	104	0.05		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Manganese	104	0.001		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Mercury	106	0.0002		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Nickel	97	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Potassium	112	0.2		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Selenium	100	0.01		%

**Appendix E4. Quality Control Sample Results**  
**Tri-County and Elgin Landfill / SCS Engineers Project No. 25212003.00 and 25212016.00**

Date	Sample ID	Laboratory ID	Location	Parameter	Result	Reporting Limit	Qualifier	Units
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Silver	96	0.004		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Sodium	106	1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Sulfate	100	1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Sulfide	104	1000		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Thallium	105	0.002		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Total Cyanide	97	0.02		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Total Organic Carbon	116	1		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Vanadium	93	0.003		%
6/10/2020	Matrix Spike Duplicate 2	MW21R	Tri-County Landfill	Zinc	98	0.005		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Alkalinity, Total	21	10	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Aluminum	104	0.06		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Antimony	113	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Arsenic	106	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Barium	93	0.005	A	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Beryllium	97	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Cadmium	104	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Calcium	74	0.5	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Chloride	100	10		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Chromium	118	0.005		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Cobalt	98	0.05		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Copper	99	0.01		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Iron	106	0.14		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Lead	108	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Magnesium	77	0.2	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Manganese	100	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Mercury	101	0.0004		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Nickel	99	0.01		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Polassium	101	0.5		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Selenium	103	0.015		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Silver	99	0.003		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sodium	49	5	4	%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sulfate	101	10		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Sulfide	122	1000		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Thallium	96	0.001		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Total Cyanide	96	0.02		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Total Organic Carbon	111	1		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Vanadium	103	0.045		%
6/9/2020	Matrix Spike Duplicate 3	EL-GWG111-01	Elgin Landfill	Zinc	101	0.02		%

**Abbreviations:**

µg/L = micrograms per liter  
mg/L = milligrams per liter  
famsl = feet above mean sea level

SU = Standard Units  
% = Percent  
DUP = Duplicate Sample

mg/L as N = milligrams per liter as nitrogen  
NTU = nephelometric turbidity units  
µmhos/cm = micromhos per centimeter

**Laboratory Qualifier Description:**

U = Parameter was not detected at or above the reporting limit  
A = Instrument related Quality Control is outside acceptance limits

4 = Matrix Spike, Matrix Spike Duplicate: The analyte present in the original sample is greater than 4 times the matrix spike concentration, therefore, the control limits are not applicable

Created by: ZTW  
Last revision by: ZTW  
Checked by: MCK

Date: 2/12/2019  
Date: 7/17/2020  
Date: 7/17/2020

Z:\Projects\25212003.00\Reports\Annual Reports\2020\Appendices\Appendix E - Groundwater Data\Appendix E4 - Quality Control Sample Results.xlsx|Sheet1

## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

**Job ID: 480-170920-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

### Narrative

#### Job Narrative 480-170920-1

#### Comments

The following analysis was subcontracted to Environmental Monitoring and Technologie: Nitrate and Nitrite SUBC, Ion Chromatography. Please refer to the subcontract data section of this report.  
No additional comments.

#### Receipt

The samples were received on 6/9/2020 10:00 AM, 6/10/2020 10:00 AM and 6/11/2020 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 8 coolers at receipt time were 1.8° C, 1.8° C, 1.9° C, 2.0° C, 2.2° C, 2.2° C, 2.3° C and 2.5° C.

#### HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: G112 (480-170920-2), G142 (480-170920-3), MW41S (480-170920-4), PW07 (480-170920-5), PW09 (480-170920-6), PW22 (480-170920-7) and PW23 (480-170920-8). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: PW07 (480-170920-5) and PW09 (480-170920-6). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12IR (480-171065-9) and MW2SR (480-171065-13). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW12SR (480-171065-10), MW25S (480-171065-11) and MW39S (480-171065-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW13IR (480-170983-2), MW1S (480-170983-6), MW38S (480-170983-7), DUP1 (480-171065-1), DUP2 (480-171065-2), G135 (480-171065-5) and MW10S (480-171065-8). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW1DR (480-170983-3), MW111 (480-170983-4), MW112 (480-170983-5), MW39I (480-170983-8), DUP3 (480-171065-3) and MW06I (480-171065-6). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: MW13IR (480-170983-2), MW112 (480-170983-5) and MW38S (480-170983-7). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: MW40DR (480-171065-15), MW5IR (480-171065-16) and MW5SR (480-171065-17). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW6S (480-171065-18). Elevated reporting limits (RLs) are provided.

Method 300.0: The following sample was diluted due to the nature of the sample matrix: MW39S (480-171065-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following sample do not concur with results previously reported for this site: MW39S (480-171065-14). Reanalysis was performed, and the result(s) confirmed.

Method 300.0: The following sample was diluted due to the nature of the sample matrix: MW5IR (480-171065-16). Elevated reporting limits (RLs) are provided.

Method 300.0: The results reported for the following samples do not concur with results previously reported for this site: MW40DR (480-171065-15) and MW5IR (480-171065-16). Reanalysis was performed, and the result(s) confirmed.

## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

### Job ID: 480-170920-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

##### Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. DUP1 (480-171065-1), DUP2 (480-171065-2), DUP3 (480-171065-3), FIELD BLANK03 (480-171065-4), MW06I (480-171065-6), MW10I (480-171065-7), MW10S (480-171065-8), MW12IR (480-171065-9), MW12SR (480-171065-10), MW2IR (480-171065-12), MW2IR (480-171065-12[MS]), MW2IR (480-171065-12[MSD]), MW2SR (480-171065-13), MW39S (480-171065-14), MW40DR (480-171065-15), MW5IR (480-171065-16), MW5SR (480-171065-17), MW6S (480-171065-18), (LCS 480-536223/2-A), (MB 480-536223/1-A), (480-171065-C-12-D PDS) and (480-171065-C-12-D SD ^5)

Method 6010C: The Total Iron result reported for the following sample did not concur with results previously reported for this site: MW12SR (480-171065-10). Reanalysis was performed, and the result confirmed.

Method 6010C: The Total Manganese result reported for the following sample did not concur with results previously reported for this site: MW5IR (480-171065-16). Reanalysis was performed, and the result confirmed.

Method 6010C: The Total Chromium, Nickel, Vanadium, and Zinc results reported for the following sample do not concur with results previously reported for this site: MW10I (480-171065-7). Reanalysis was performed, and the results confirmed.

Method 6010C: The Total Chromium and Nickel results reported for the following sample did not concur with results previously reported for this site: MW12IR (480-171065-9). Reanalysis was performed, and the result confirmed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. FIELD BLANK01 (480-170920-1), G142 (480-170920-3), MW41S (480-170920-4), PW07 (480-170920-5), PW09 (480-170920-6), PW22 (480-170920-7), PW23 (480-170920-8), (LCS 480-535705/2-A), (LCSD 480-535705/25-A) and (MB 480-535705/1-A)

Method 6010C: The Total Manganese results reported for the following sample do not concur with results previously reported for this site: G142 (480-170920-3). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Aluminum and Iron results reported for the following sample do not concur with results previously reported for this site: MW41S (480-170920-4). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Nickel, Copper, and Zinc results reported for the following sample do not concur with results previously reported for this site: PW22 (480-170920-7). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The Total Aluminum and Chromium results reported for the following sample do not concur with results previously reported for this site: MW39S (480-171065-14). Reanalysis was performed, and the result(s) confirmed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. FIELD BLANK02 (480-170983-1), MW13IR (480-170983-2), MW13IR (480-170983-2[MS]), MW13IR (480-170983-2[MSD]), MW38S (480-170983-7), MW39I (480-170983-8), (LCS 480-535857/2-A), (MB 480-535857/1-A), (480-170983-C-2-A PDS) and (480-170983-C-2-A SD ^5)

Method 6010C: The continuing calibration blank (CCB 480-537025/18) for analytical batch 480-537025 contained Total Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples FIELD BLANK02 (480-170983-1), (LCS 480-535857/2-A) and (MB 480-535857/1-A) was not performed.



## Case Narrative

Client: Waste Management  
Project/Site: Tri-County/Elgin Landfill

Job ID: 480-170920-1

### Job ID: 480-170920-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The continuing calibration blank (CCB 480-537025/27) for analytical batch 480-537025 contained Total Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples FIELD BLANK02 (480-170983-1), MW38S (480-170983-7), MW39I (480-170983-8), (LCS 480-535857/2-A) and (MB 480-535857/1-A) was not performed.

Method 6010C: The recovery of Post Spike, (480-170983-C-2-A PDS), in batch 480-537025 exhibited results outside the quality control limits for Total Calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method 6010C: The Total Potassium and Sodium results reported for the following sample do not concur with results previously reported for this site: MW13IR (480-170983-2). Reanalysis was performed, and the result(s) confirmed.

Method 6020A: The Total Arsenic results reported for the following sample do not concur with results previously reported for this site: G142 (480-170920-3). Reanalysis was performed, and the result(s) confirmed.

Method 6020A: The Total Arsenic results reported for the following samples do not concur with results previously reported for this site: MW38S (480-170983-7) and MW39I (480-170983-8). Reanalysis was performed, and the result(s) confirmed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: G112 (480-170920-2), G142 (480-170920-3) and PW07 (480-170920-5). The reporting limits (RLs) have been adjusted proportionately.

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: MW40DR (480-171065-15). The reporting limits (RLs) have been adjusted proportionately.

Method 310.2: The results reported for the following sample do not concur with results previously reported for this site: MW41S (480-170920-4). Reanalysis was performed, and the result(s) confirmed.

Method SM 5310C: The reference method requires samples to be preserved to a pH below two. The following sample was received with insufficient preservation at a pH above two: MW11I (480-170983-4). The sample(s) was preserved to the appropriate pH in the laboratory prior to analysis.

Method SM 5310C: The results reported for the following samples do not concur with results previously reported for this site: MW1S (480-170983-6) and FIELD BLANK03 (480-171065-4). Reanalysis was performed, and the result(s) confirmed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0399**

The samples were received on 06/08/20 14:40. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	0.4

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0433**

The samples were received on 06/09/20 13:28. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	5.6

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.



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### Case Narrative

Client: Test America, Amherst, NY, Subcontract  
Project: Tri-County Nitrates  
2Q20  
SDG: 2Q20

Date: 06/15/2020

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

**Work Order: 20F0484**

The samples were received on 06/10/20 15:15. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler	Temp C°
Default Cooler	1.8

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

## Case Narrative

Client: Republic Services Inc  
Project/Site: Elgin Landfill - Annual

Job ID: 480-171155-1

**Job ID: 480-171155-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

### Narrative

#### Job Narrative 480-171155-1

### Comments

No additional comments.

### Receipt

The samples were received on 6/12/2020 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.8° C, 3.0° C, 3.2° C, 3.5° C and 3.7° C.

### HPLC/IC

Method 300.0: The following samples were diluted due to the nature of the sample matrix: EL-GWMW38I-01 (480-171155-1), EL-GWMW38I-91 (480-171155-2), EL-GWMW22I-01 (480-171155-3), EL-GWMW9S-01 (480-171155-7), EL-GWMW20S-01 (480-171155-13) and EL-GWMW24S-01 (480-171155-15). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: EL-GWMW23I-01 (480-171155-4), EL-GWMW9D-01 (480-171155-5), EL-GWMW9I-01 (480-171155-6), EL-GWMW21S-91 (480-171155-10), EL-GWG141-01 (480-171155-12) and EL-GWMW21S-01 (480-171155-14). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: EL-GWG111-01 (480-171155-11), EL-GWMW36D-01 (480-171155-16) and EL-GWMW36I-01 (480-171155-17). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were diluted due to the nature of the sample matrix: EL-GWMW36S-01 (480-171155-18), EL-GWMW37S-01 (480-171155-19) and EL-GWMW38D-01 (480-171155-20). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Metals

Method 3005A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GWMW9I-01 (480-171155-6) and EL-GWMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved 6/17/20 1110 second check 6/18/20 1115

Method 3020A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GWMW9I-01 (480-171155-6) and EL-GWMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved 6/17/20 1110 second check 6/18/20 1115

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. EL-GWMW9I-01 (480-171155-6), EL-GWMW9S-01 (480-171155-7), (LCS 480-536966/2-A) and (MB 480-536966/1-A)

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. EL-GWMW38I-01 (480-171155-1), EL-GWMW38I-91 (480-171155-2), EL-GWMW22I-01 (480-171155-3), EL-GWMW23I-01 (480-171155-4), EL-GWMW9D-01 (480-171155-5), EL-GWMW21S-91 (480-171155-10), EL-GWG111-01 (480-171155-11), EL-GWG111-01 (480-171155-11[MS]), EL-GWG111-01 (480-171155-11[MSD]), EL-GWG141-01 (480-171155-12), EL-GWMW20S-01 (480-171155-13), EL-GWMW21S-01 (480-171155-14), EL-GWMW24S-01 (480-171155-15), EL-GWMW36D-01 (480-171155-16), EL-GWMW36I-01 (480-171155-17), EL-GWMW36S-01 (480-171155-18), EL-GWMW37S-01 (480-171155-19), EL-GWMW38D-01 (480-171155-20), (LCS 480-536658/2-A), (MB 480-536658/1-A), (480-171155-C-11-G PDS) and (480-171155-C-11-G SD ^5)

Method 6010C: The recovery of Post Spike, (480-171155-C-11-G PDS), in batch 480-537253 exhibited results outside the quality control limits for Total Magnesium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

## Case Narrative

Client: Republic Services Inc  
Project/Site: Elgin Landfill - Annual

Job ID: 480-171155-1

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### Job ID: 480-171155-1 (Continued)

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#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 7470A: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: EL-GWMW9I-01 (480-171155-6) and EL-GWMW9S-01 (480-171155-7). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. preserved 6/17/20 at 1110 2nd check 6/18/20 at 1115 pH < 2 BB

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: EL-GWMW21S-91 (480-171155-10), EL-GWG111-01 (480-171155-11), EL-GWMW21S-01 (480-171155-14) and EL-GWMW36I-01 (480-171155-17). The reporting limits (RLs) have been adjusted proportionately.

Method 335.4: The continuing calibration blank (CCB) for preparation batch 480-536125/26 contained Cyanide, Total above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 335.4: The continuing calibration blank (CCB) for preparation batch 480-536125/30 contained Cyanide, Total above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



**First  
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IL ELAP / NELAC Accreditation # 100292

**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3117**

Project ID: **Elgin PO# 302-281**

Date Received: **June 10, 2020**

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.	L	LCS recovery outside control limits.
B	Analyte was found in the method blank.	M	MS recovery outside control limits; LCS acceptable.
<	Analyte not detected at or above the reporting limit.	P	Chemical preservation pH adjusted in lab.
C	Sample received in an improper container for this test.	Q	Result was determined by a GC/MS database search.
D	Surrogates diluted out; recovery not available.	S	Analysis was subcontracted to another laboratory.
E	Estimated result; concentration exceeds calibration range.	T	Result is less than three times the MDL value.
G	Surrogate recovery outside control limits.	W	Reporting limit elevated due to sample matrix.
H	Analysis or extraction holding time exceeded.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
J	Estimated result; concentration is less than routine RL but greater than MDL.	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)		





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**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3089**

Project ID: **Elgin 302-281**

Date Received: **June 09, 2020**

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.
II	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.



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**Case Narrative**

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.**

Lab File ID: **20-3151**

Project ID: **Elgin 302-261**

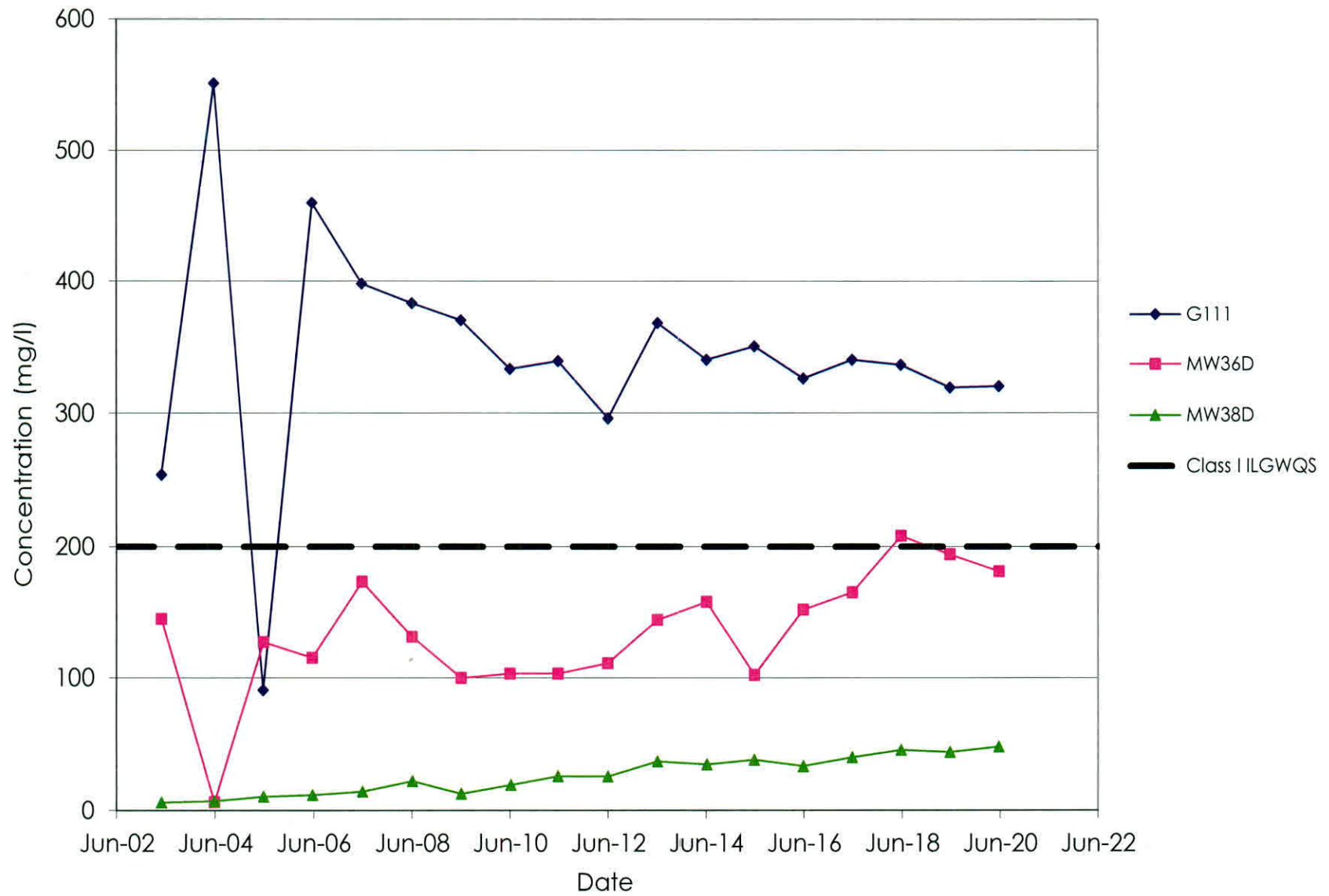
Date Received: **June 11, 2020**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

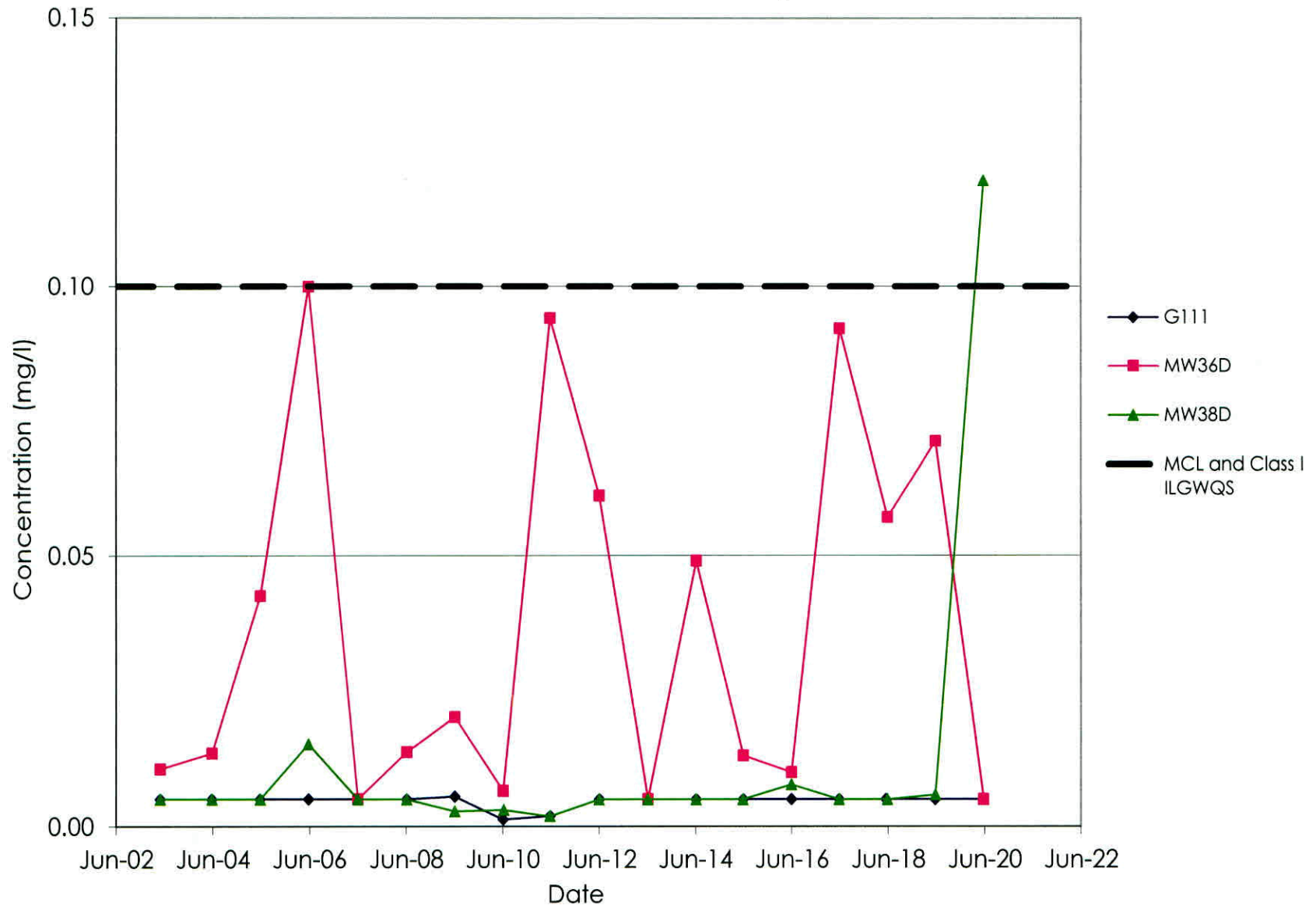
The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.	L	LCS recovery outside control limits.
B	Analyte was found in the method blank.	M	MS recovery outside control limits; LCS acceptable.
<	Analyte not detected at or above the reporting limit.	P	Chemical preservation pH adjusted in lab.
C	Sample received in an improper container for this test.	Q	Result was determined by a GC/MS database search.
D	Surrogates diluted out; recovery not available.	S	Analysis was subcontracted to another laboratory.
E	Estimated result; concentration exceeds calibration range.	T	Result is less than three times the MDL value.
G	Surrogate recovery outside control limits.	W	Reporting limit elevated due to sample matrix.
H	Analysis or extraction holding time exceeded.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
J	Estimated result; concentration is less than routine RL but greater than MDL.	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)		

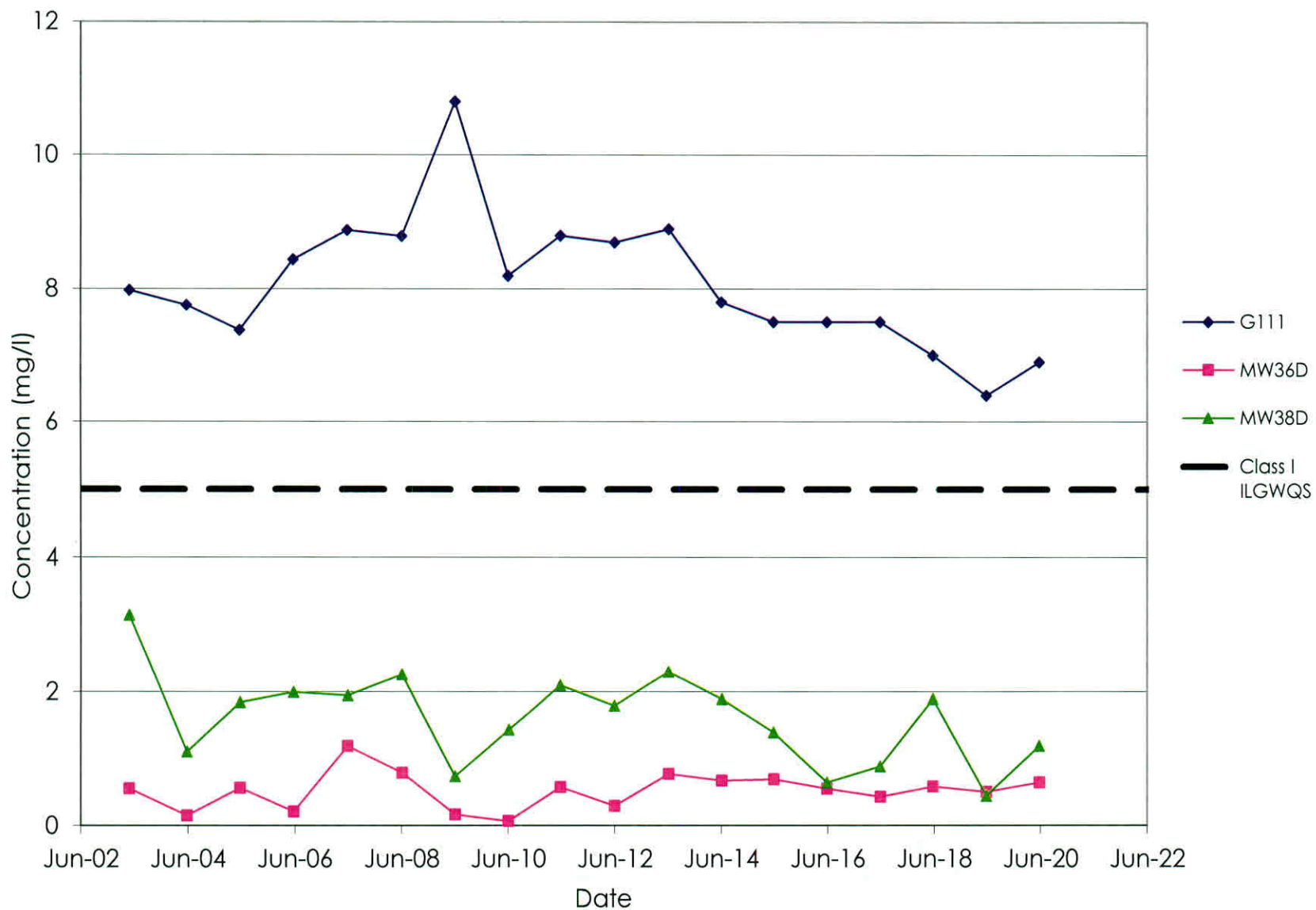
# Elgin Landfill Chloride in Deep Wells



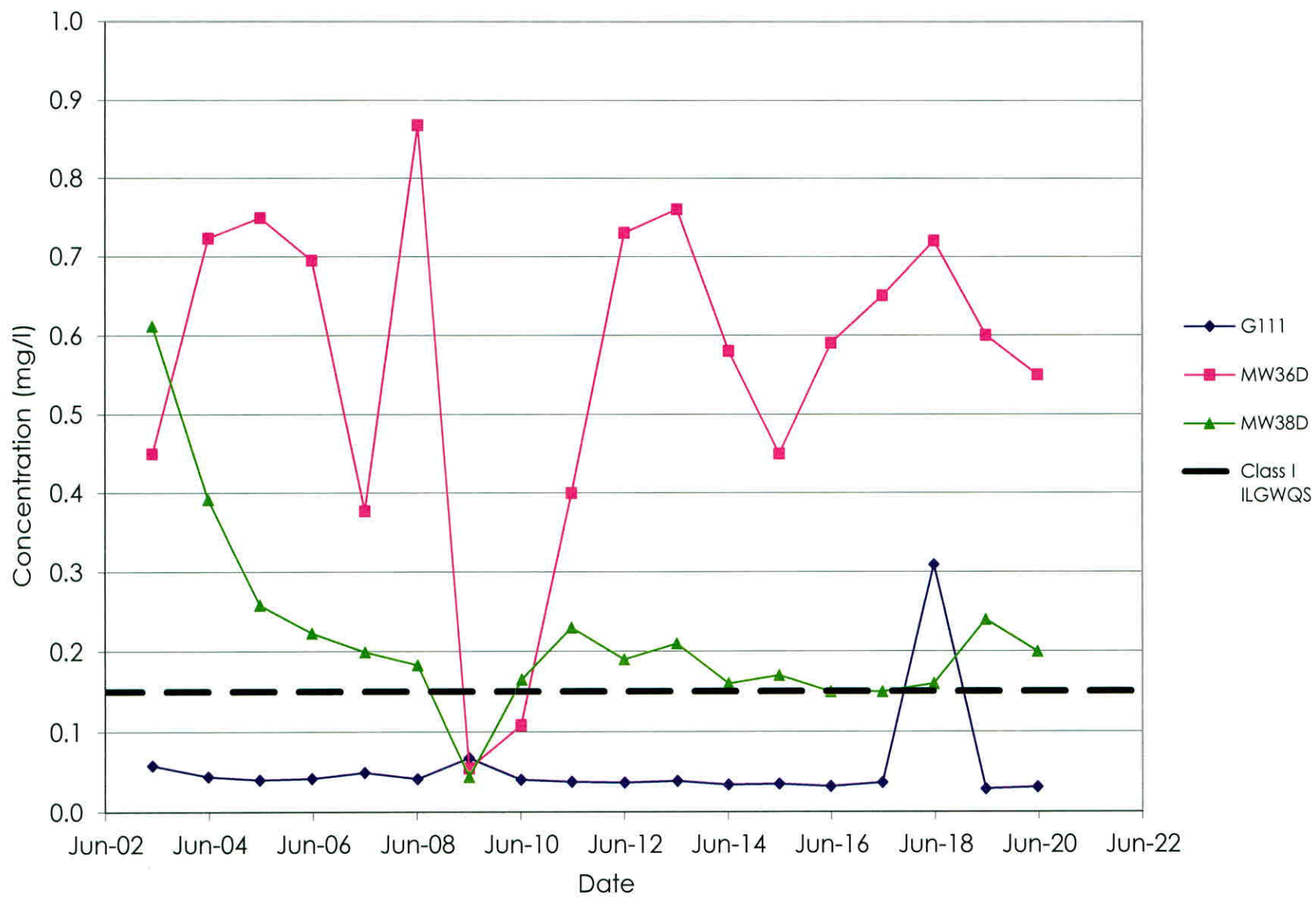
# Elgin Landfill Total Chromium in Deep Wells



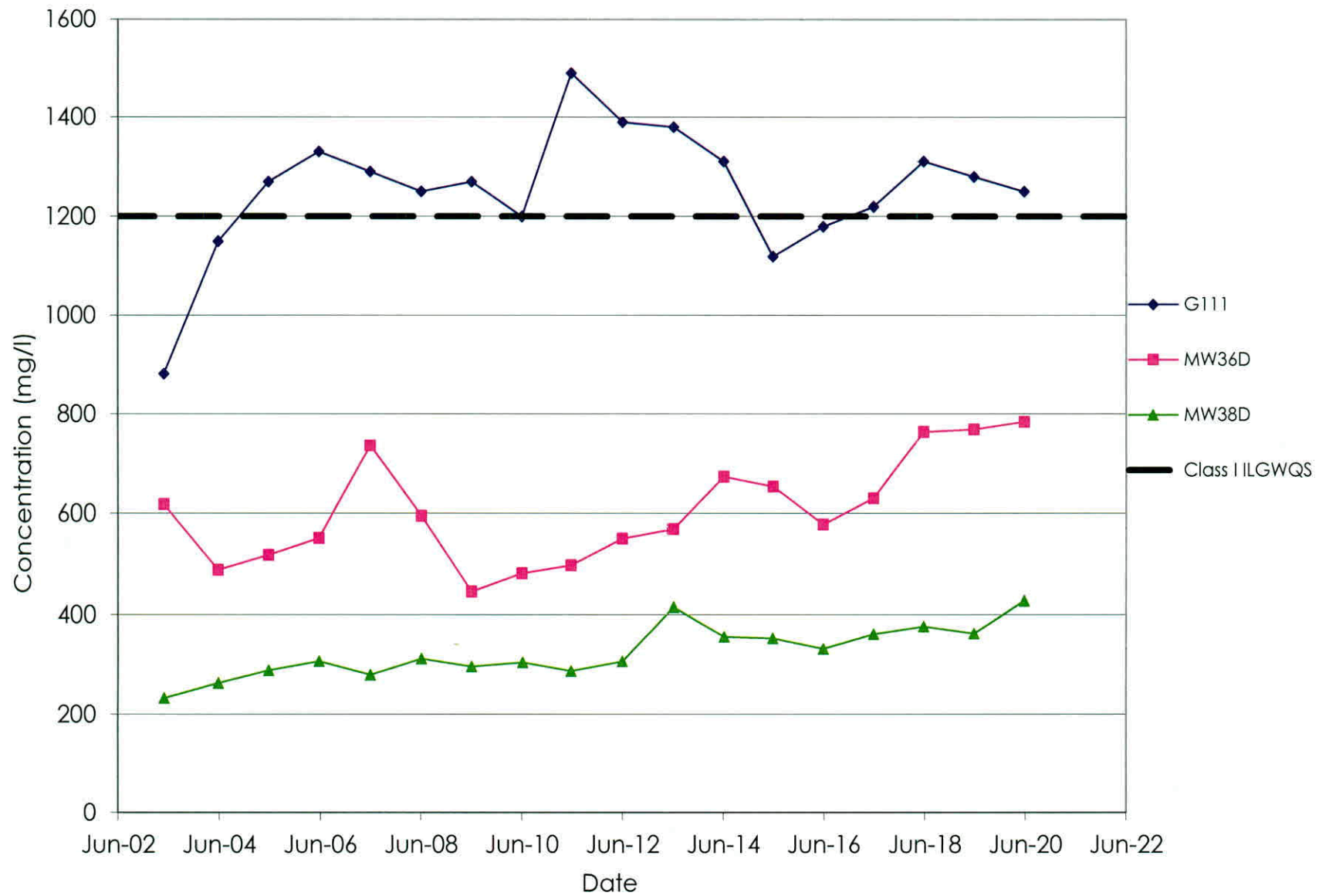
# Elgin Landfill Total Iron in Deep Wells



# Elgin Landfill Total Manganese in Deep Wells

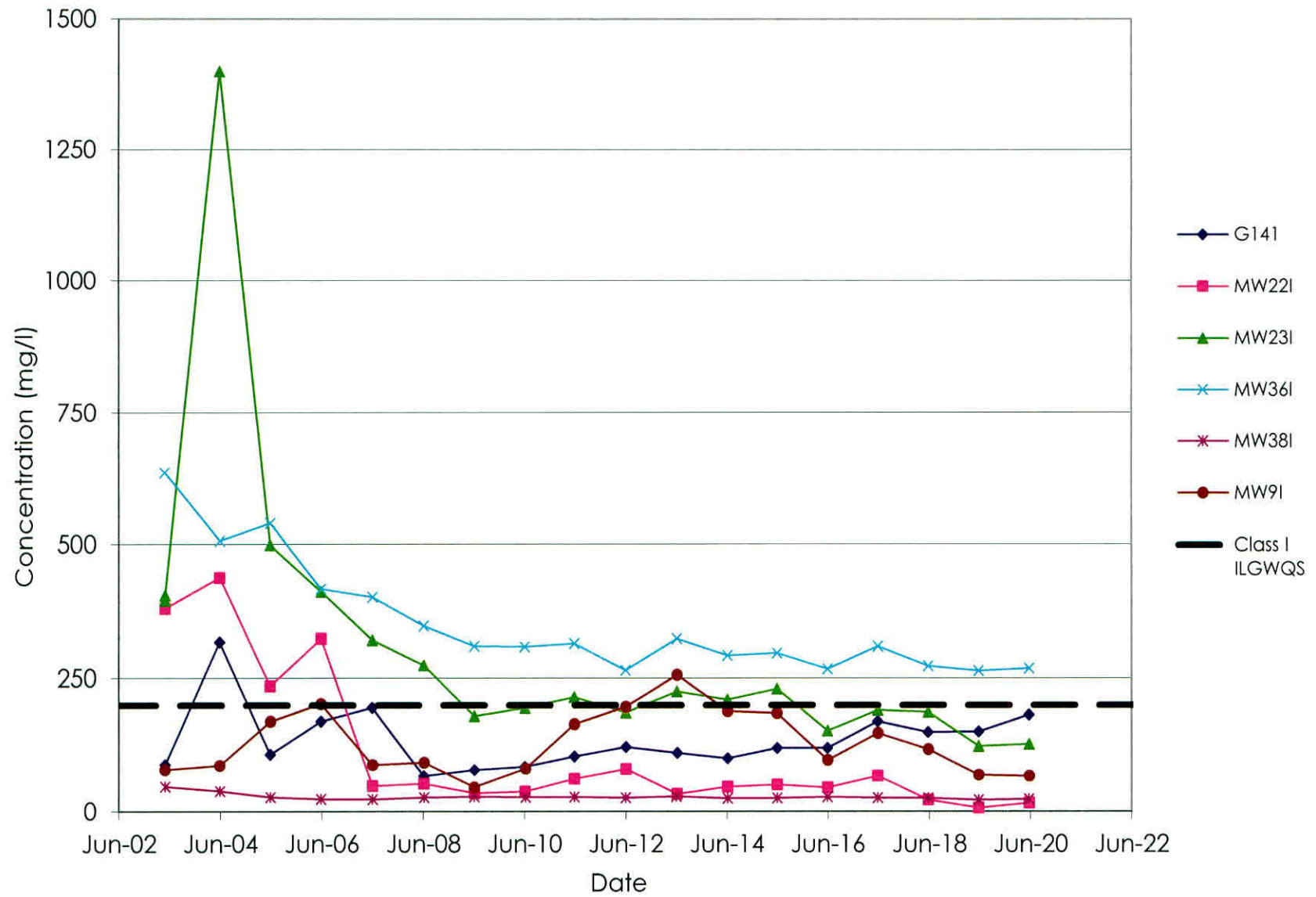


# Elgin Landfill Total Dissolved Solids in Deep Wells



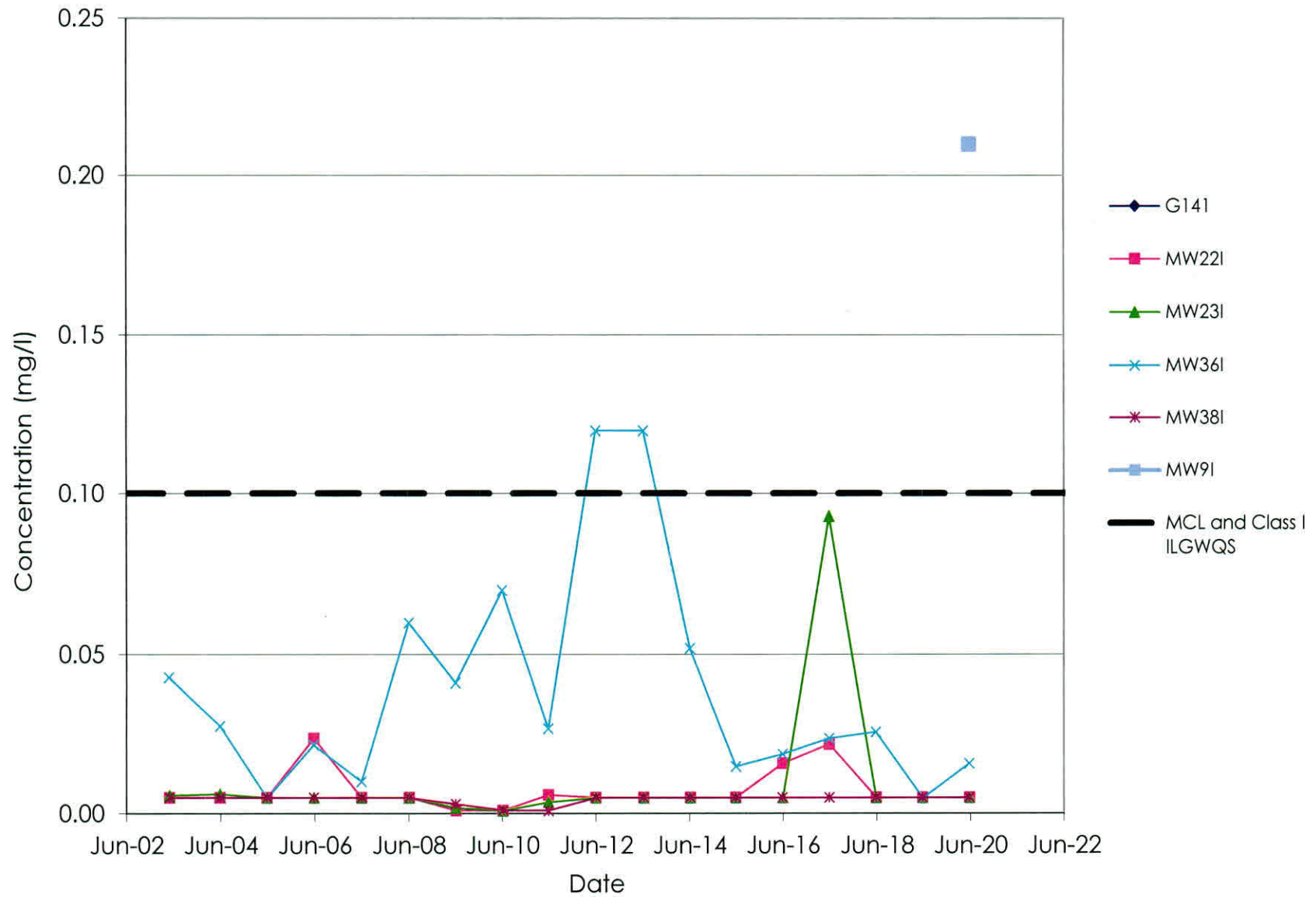


# Elgin Landfill Chloride in Intermediate Wells



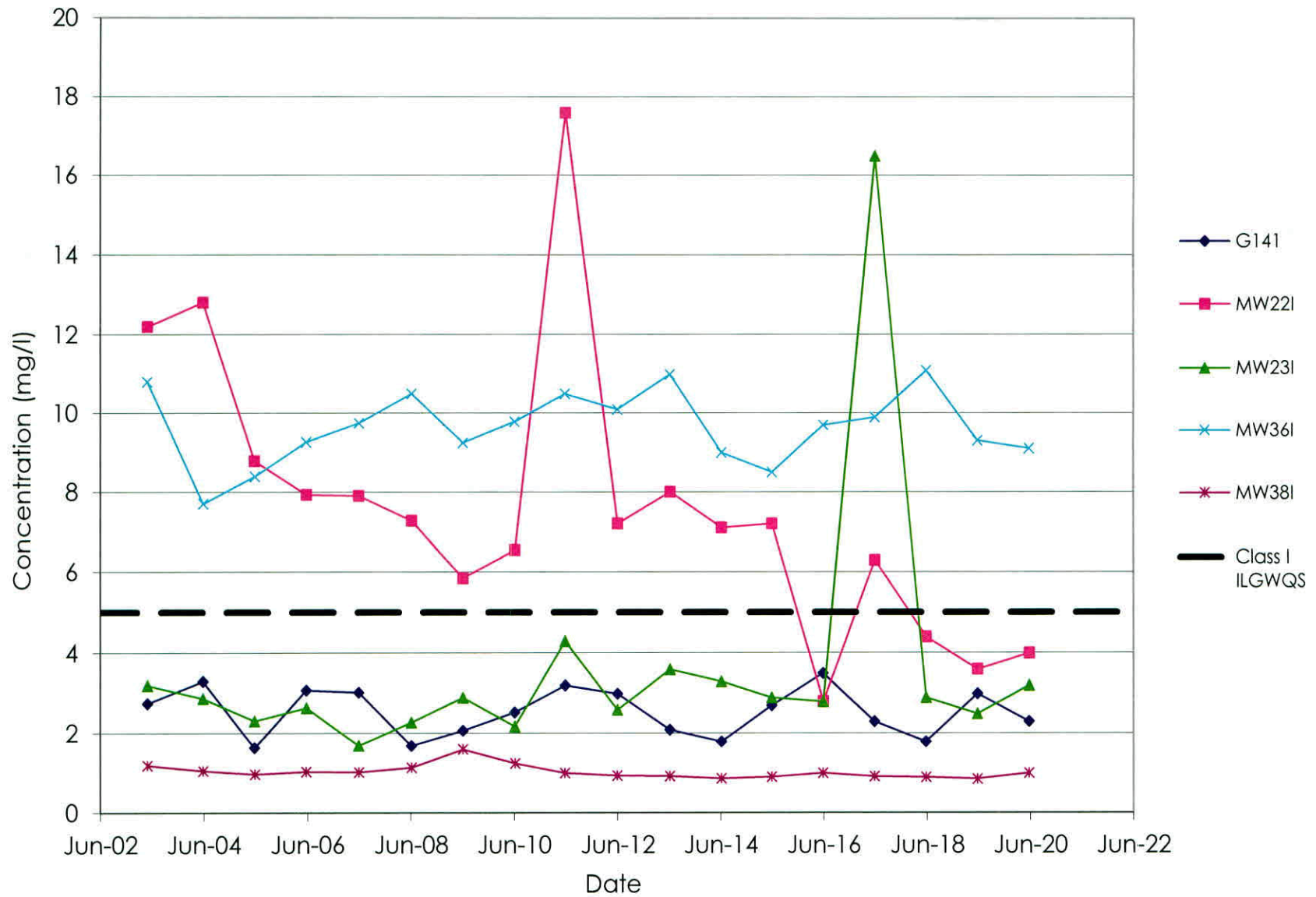
# Elgin Landfill

## Total Chromium in Intermediate Wells



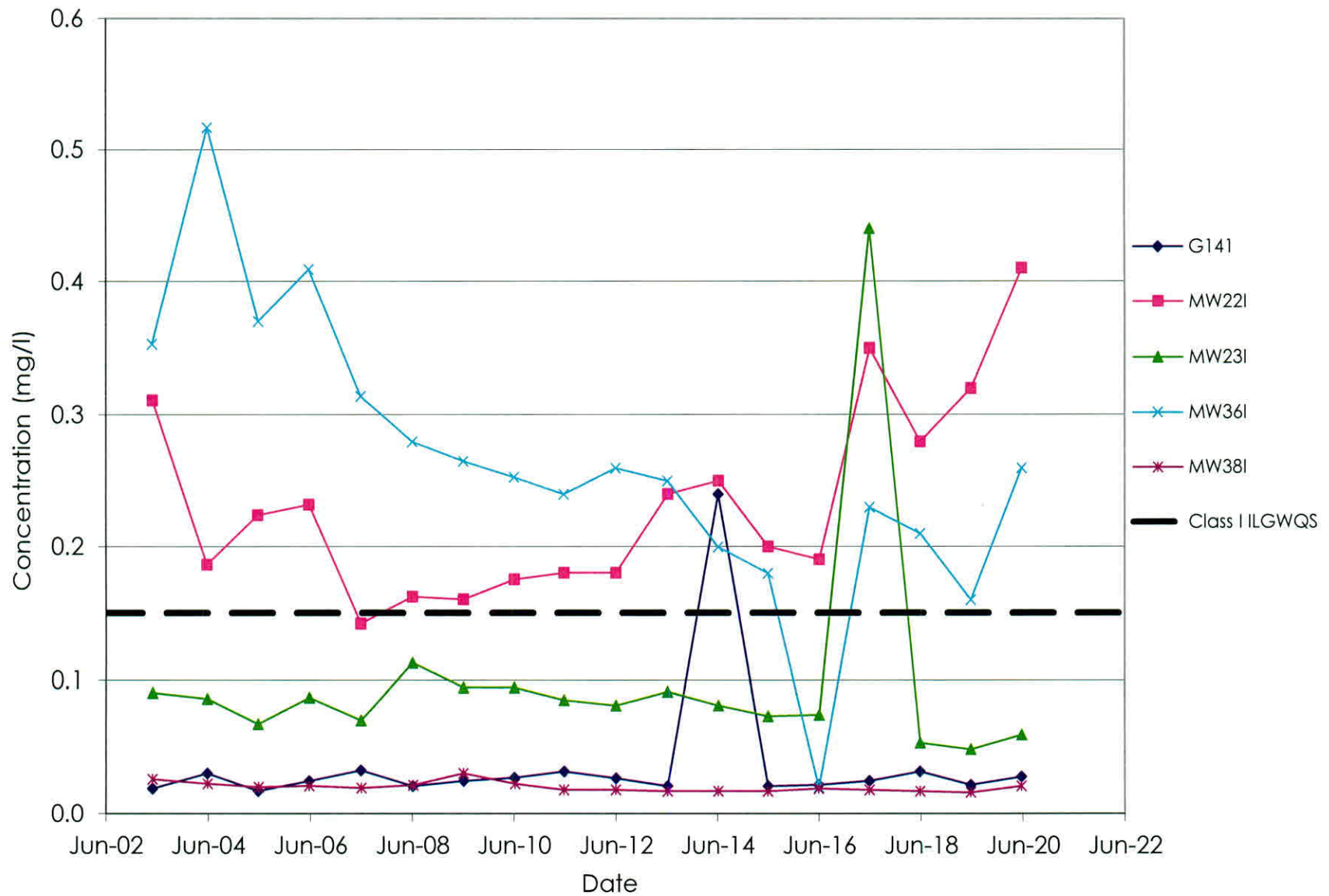
# Elgin Landfill

## Total Iron in Intermediate Wells

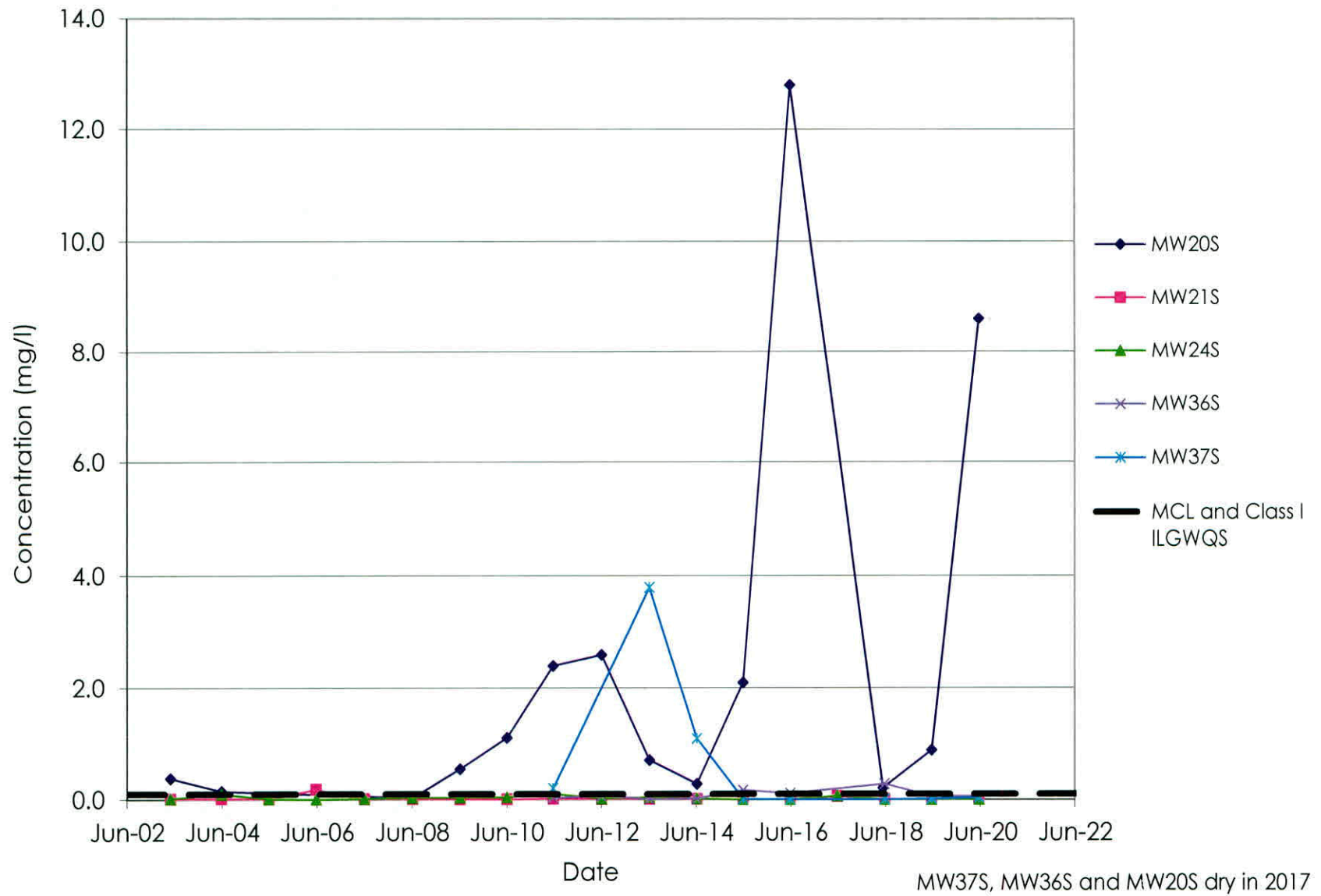


# Elgin Landfill

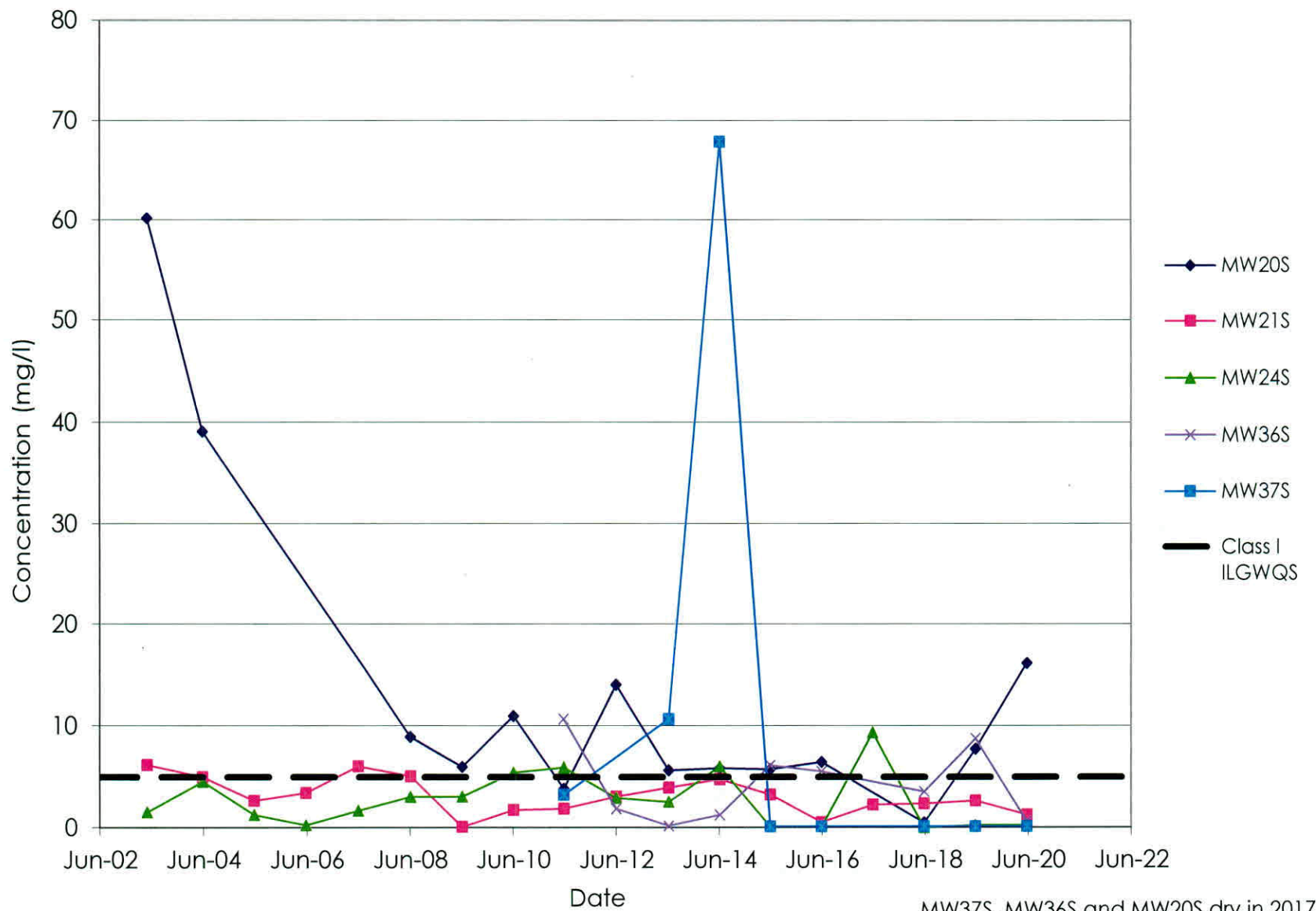
## Total Manganese in Intermediate Wells



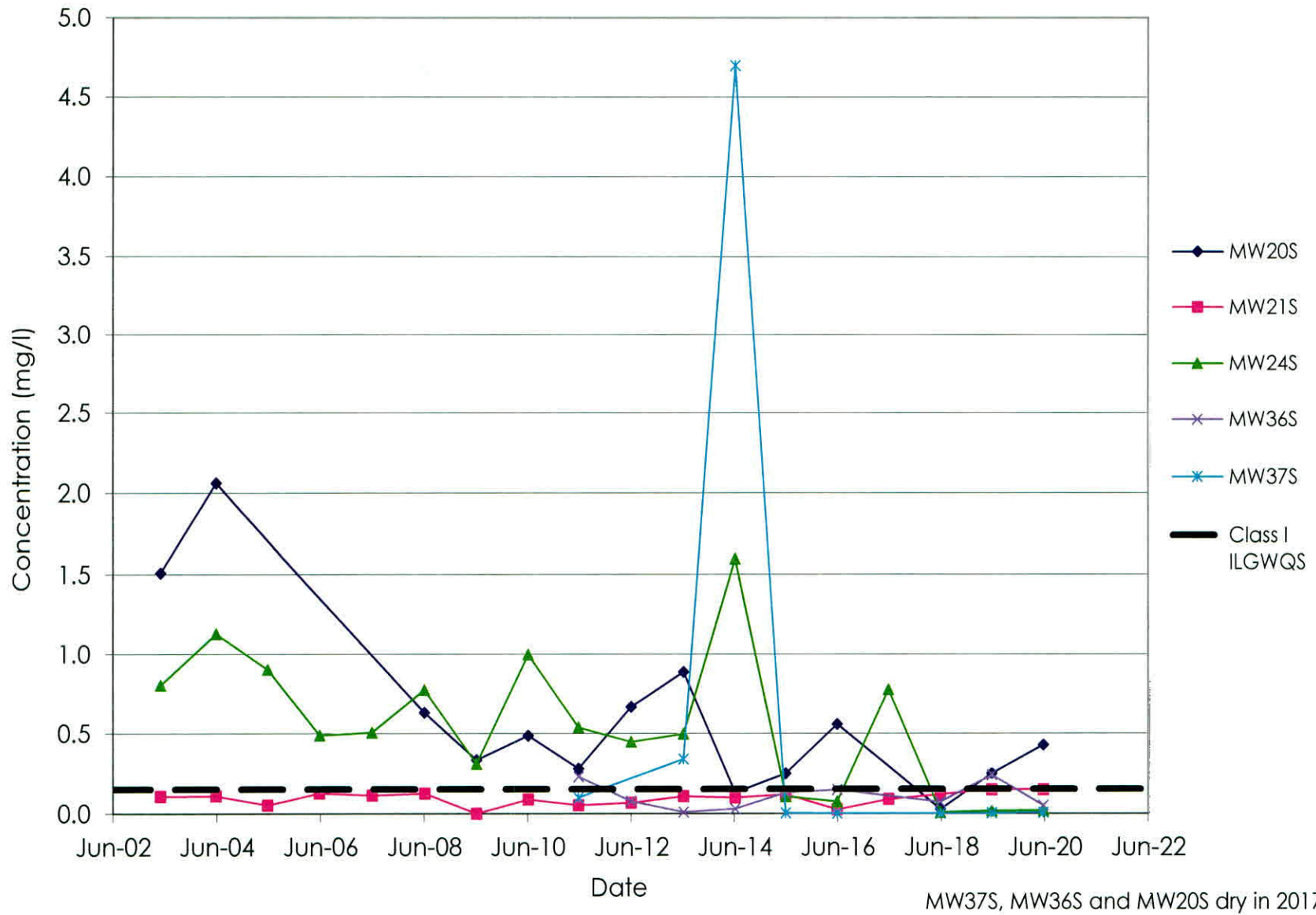
# Elgin Landfill Total Chromium in Shallow Wells



# Elgin Landfill Total Iron in Shallow Wells

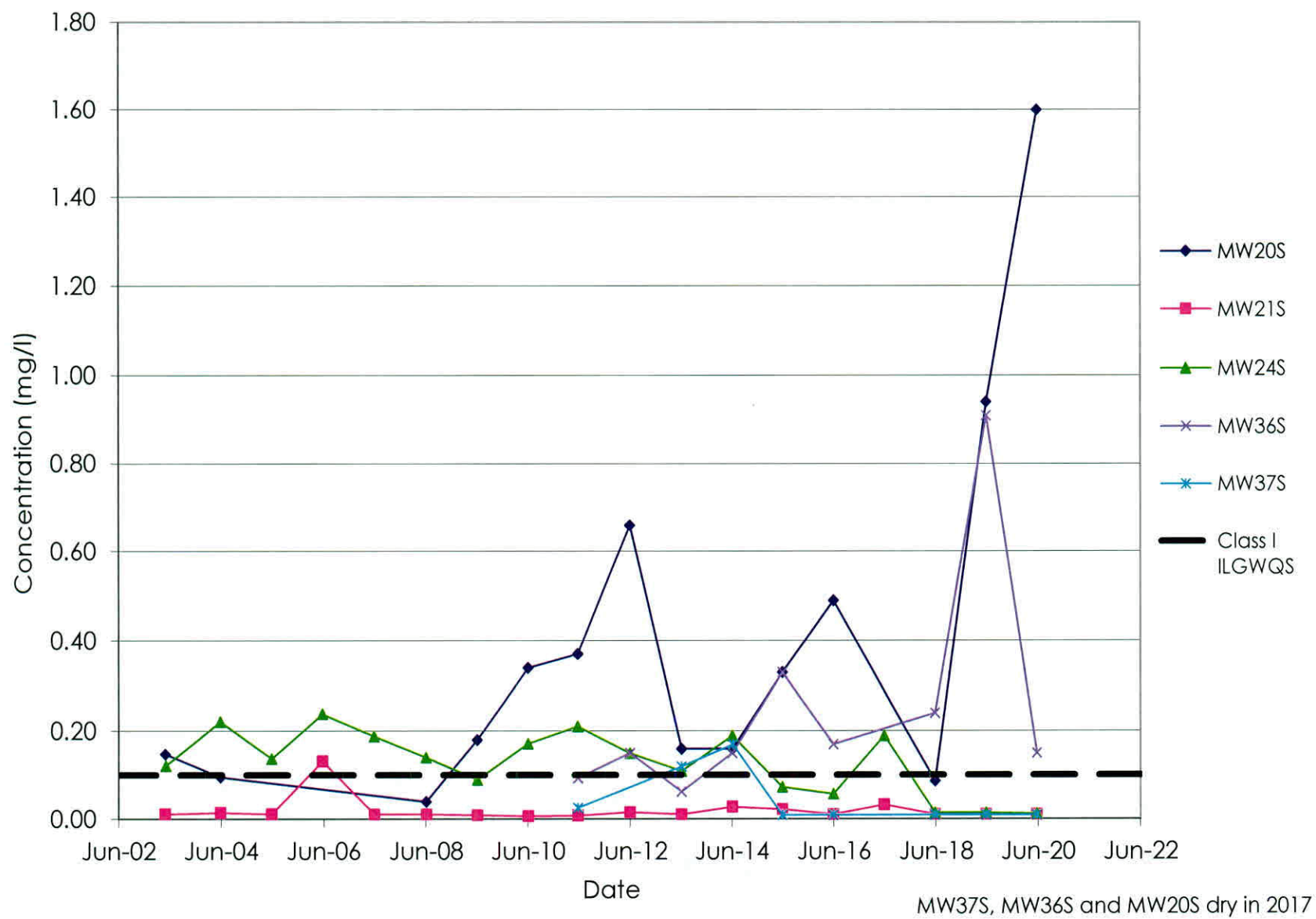


# Elgin Landfill Total Manganese in Shallow Wells

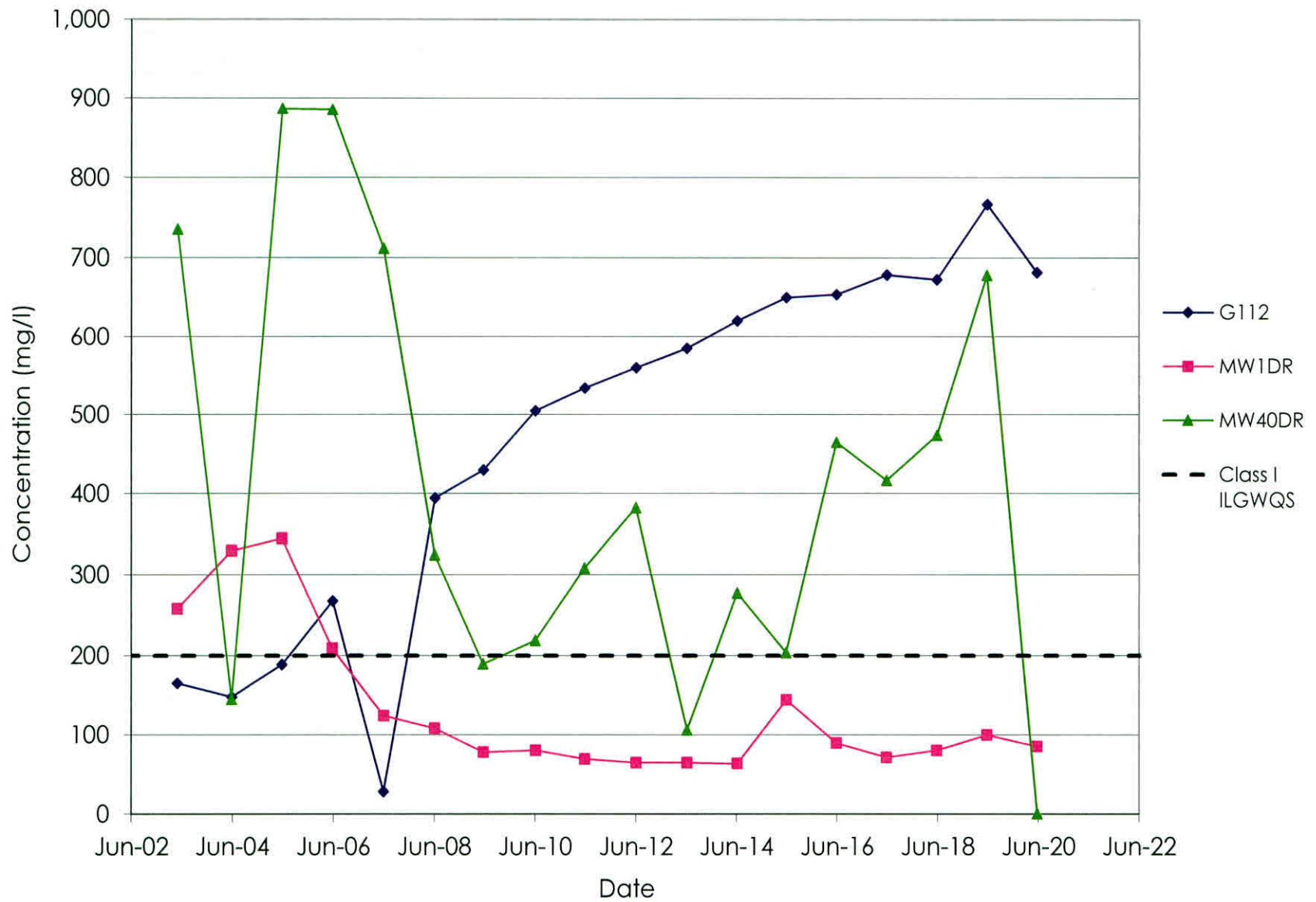




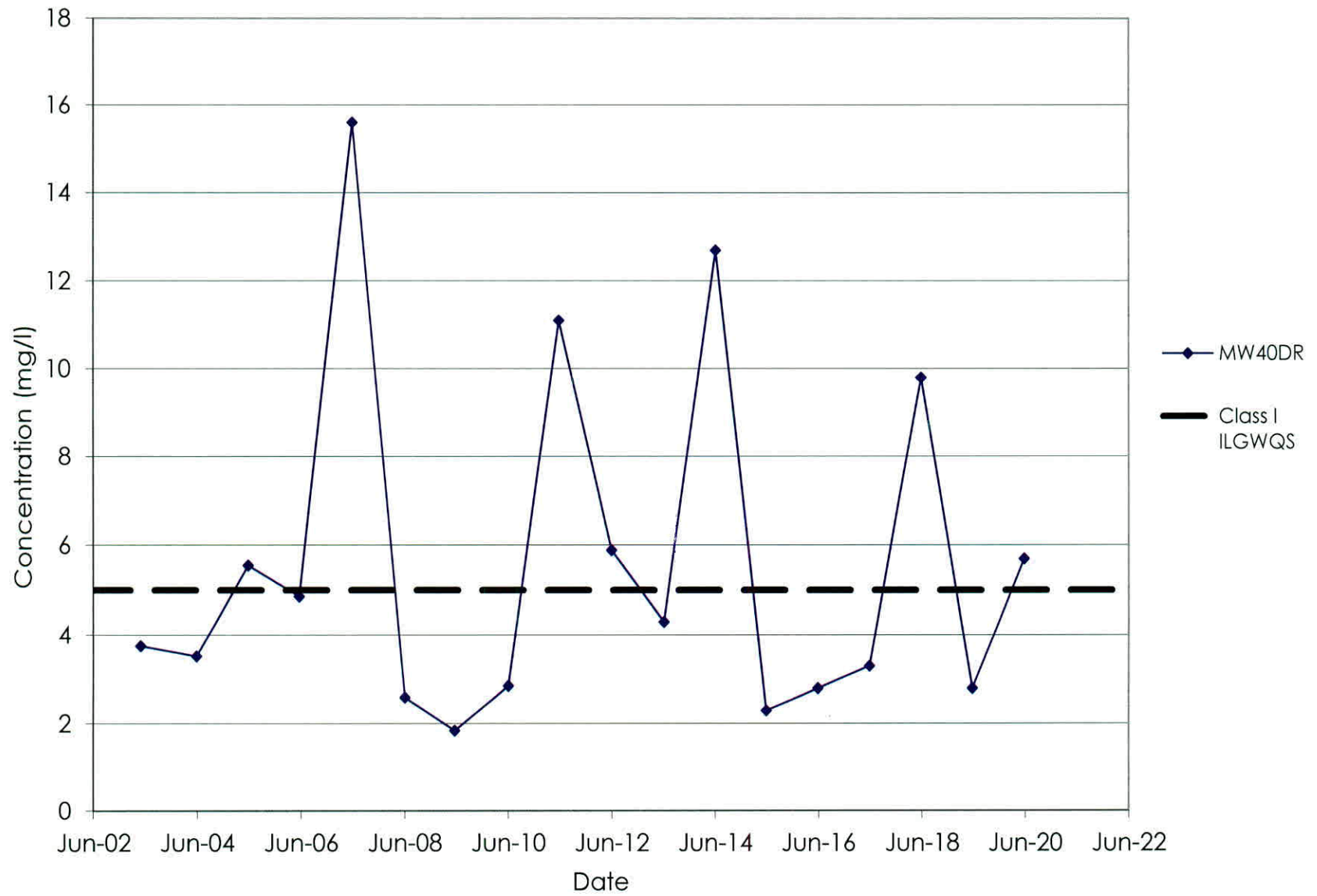
## Elgin Landfill Total Nickel in Shallow Wells



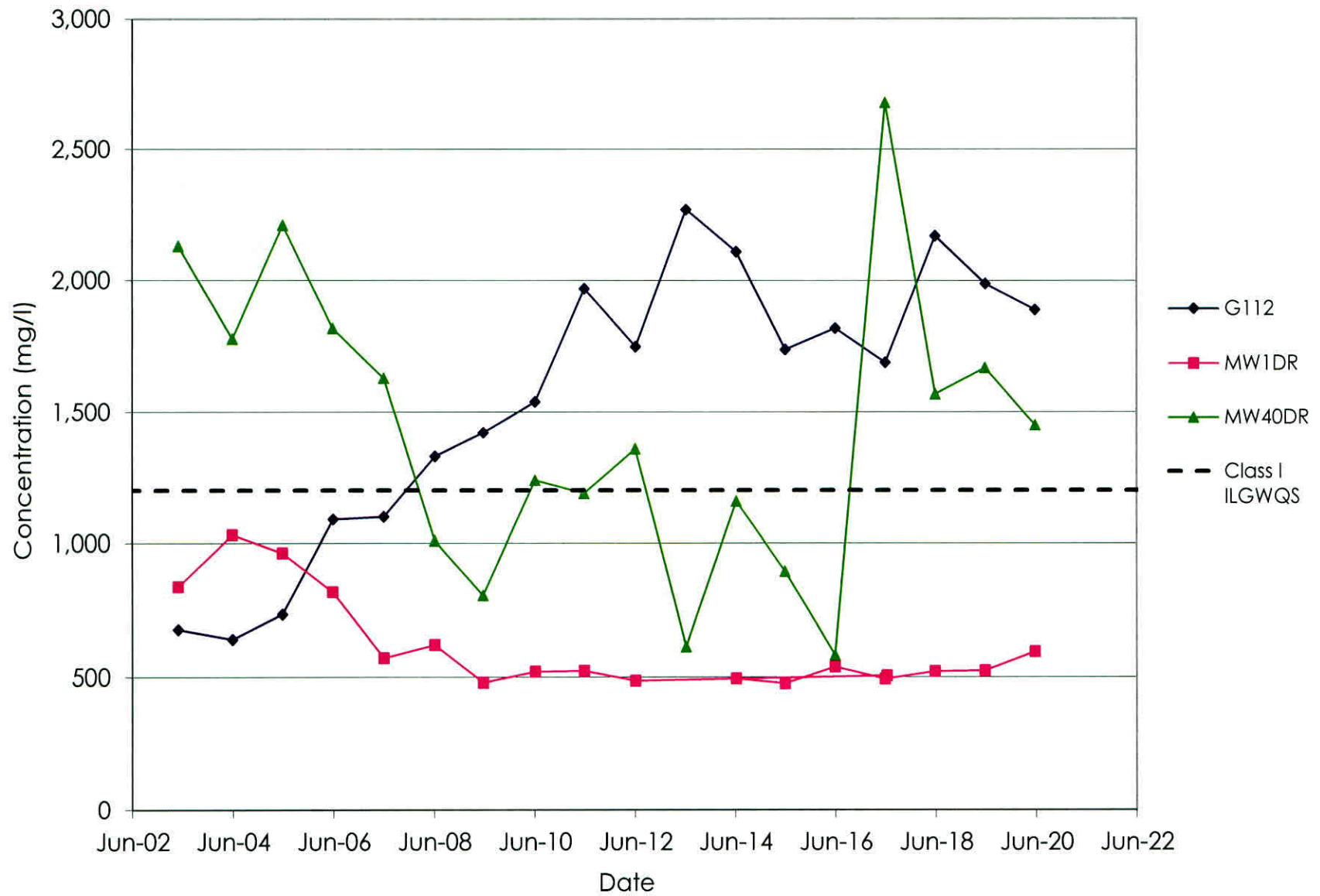
# Tri-County Landfill Chloride in Deep Wells



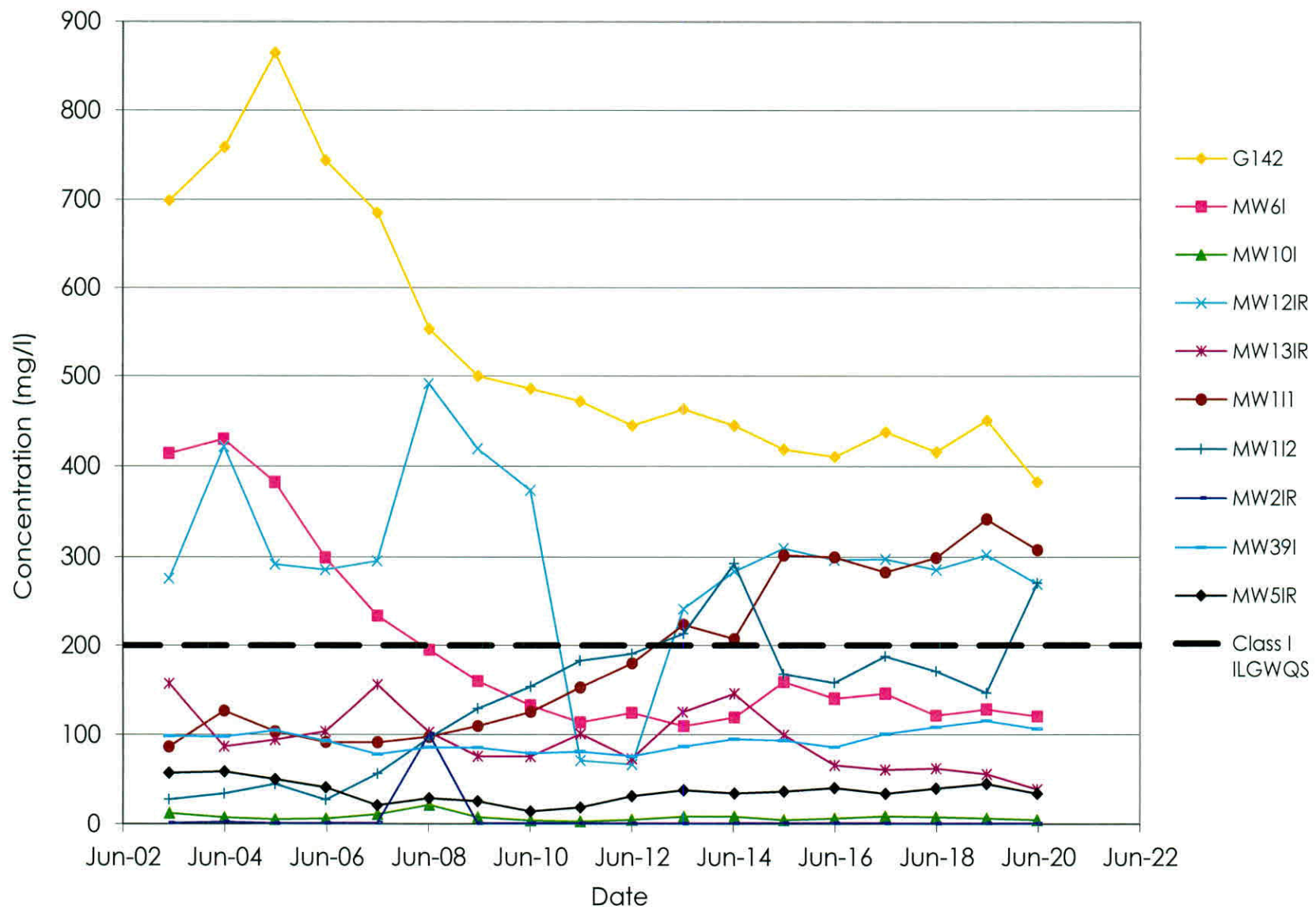
# Tri-County Landfill Total Iron in Deep Wells



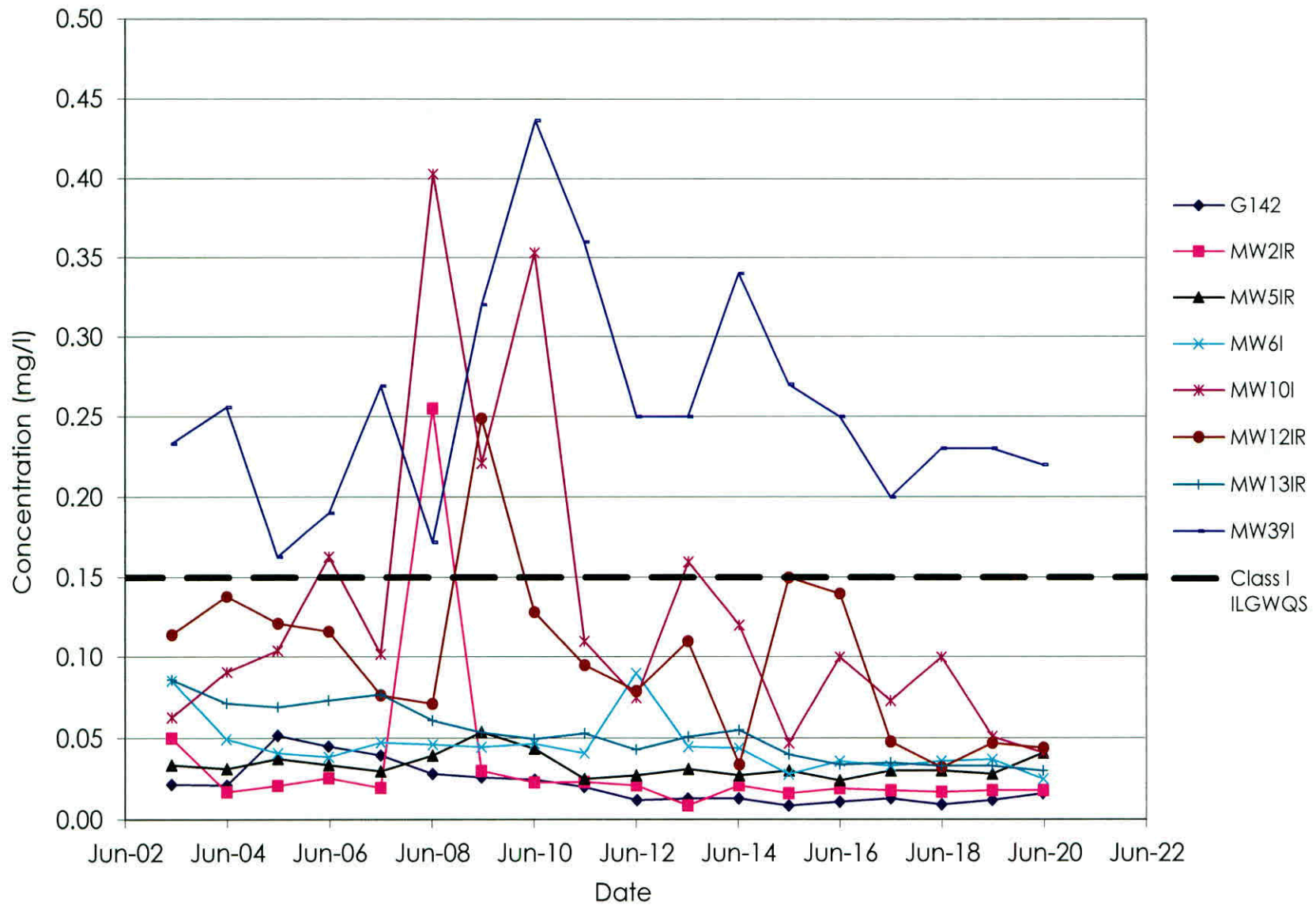
# Tri-County Landfill Total Dissolved Solids in Deep Wells



# Tri-County Landfill Chloride in Intermediate Wells



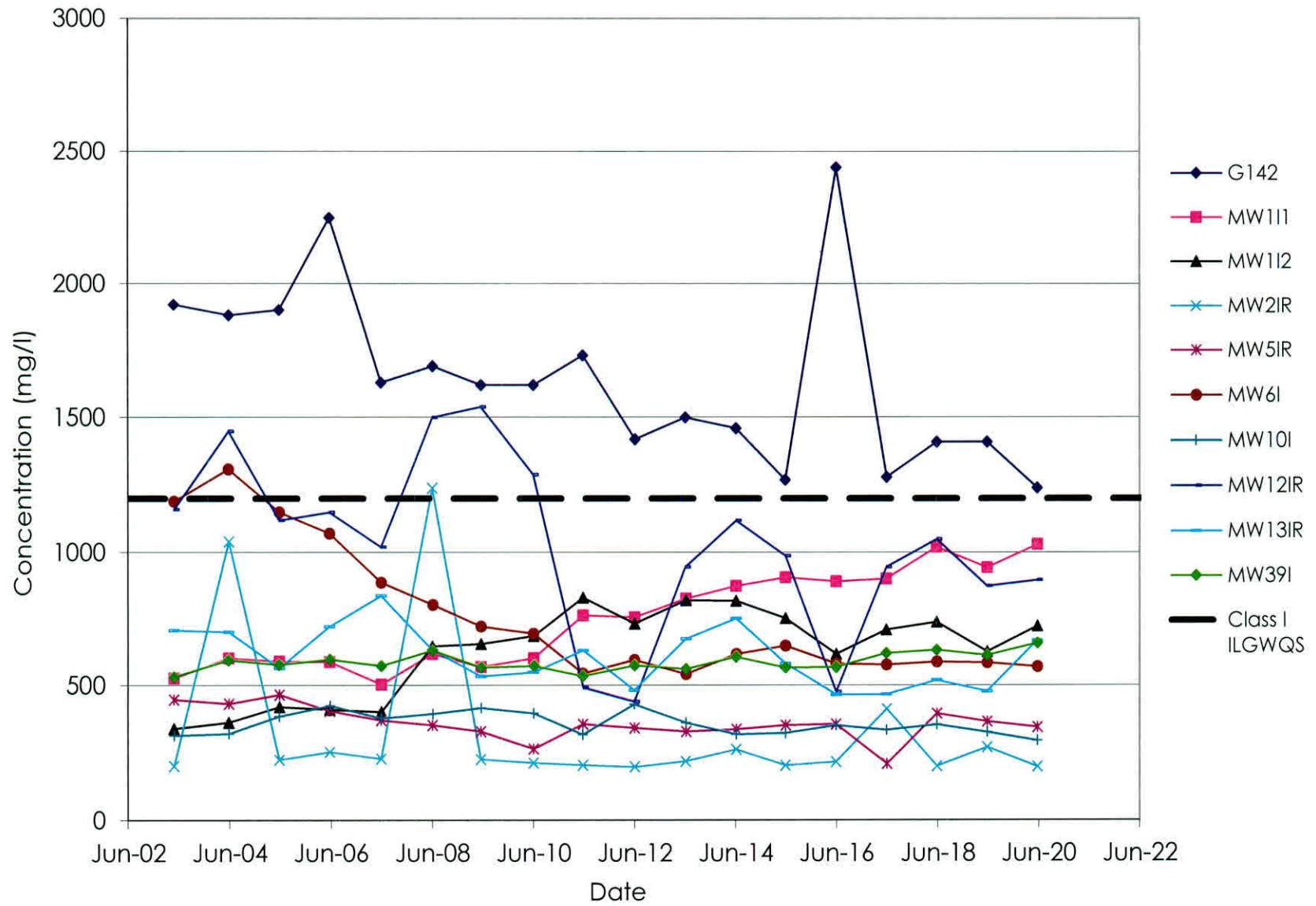
# Tri-County Landfill Total Manganese in Intermediate Wells





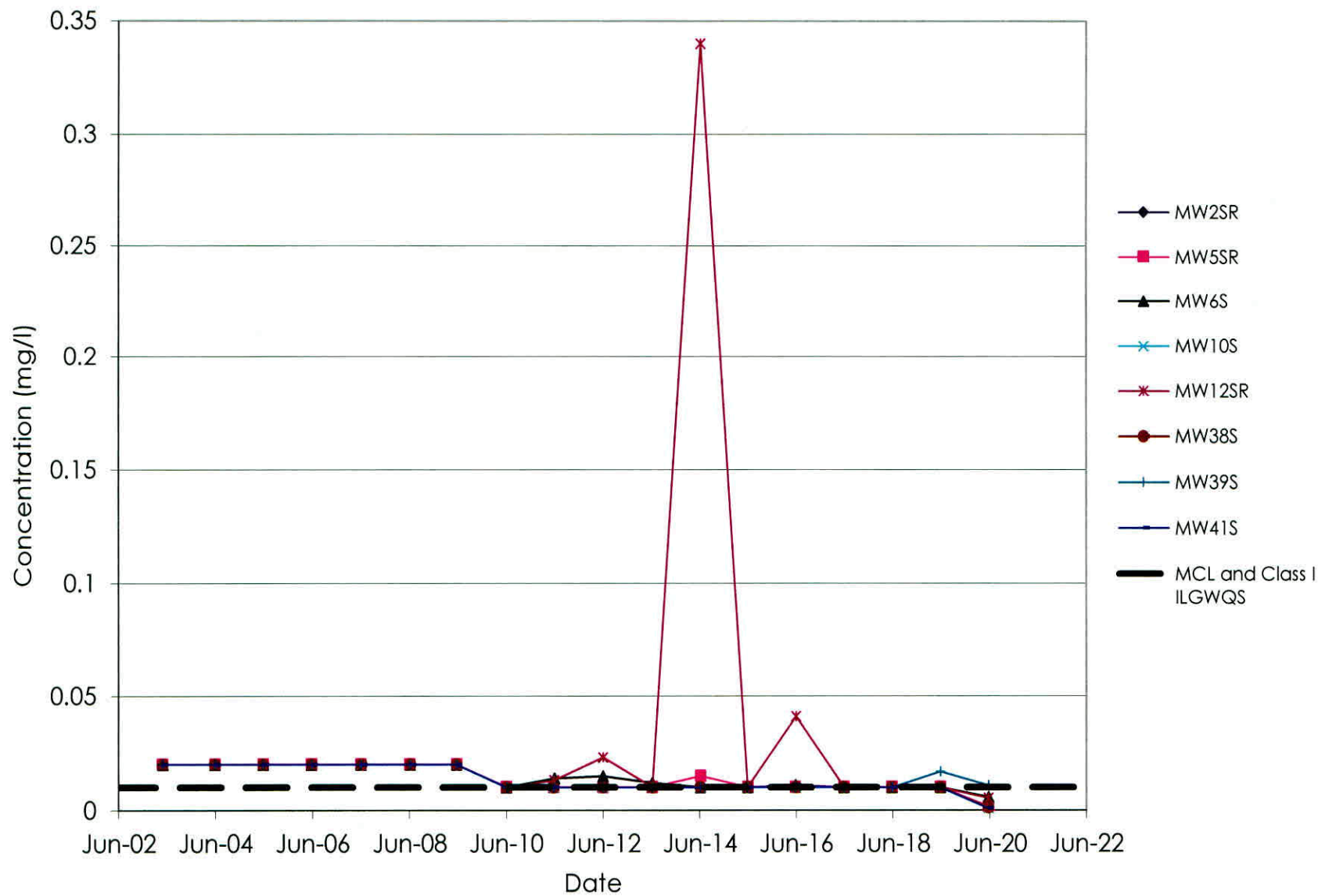
# Tri-County Landfill

## Total Dissolved Solids in Intermediate Wells

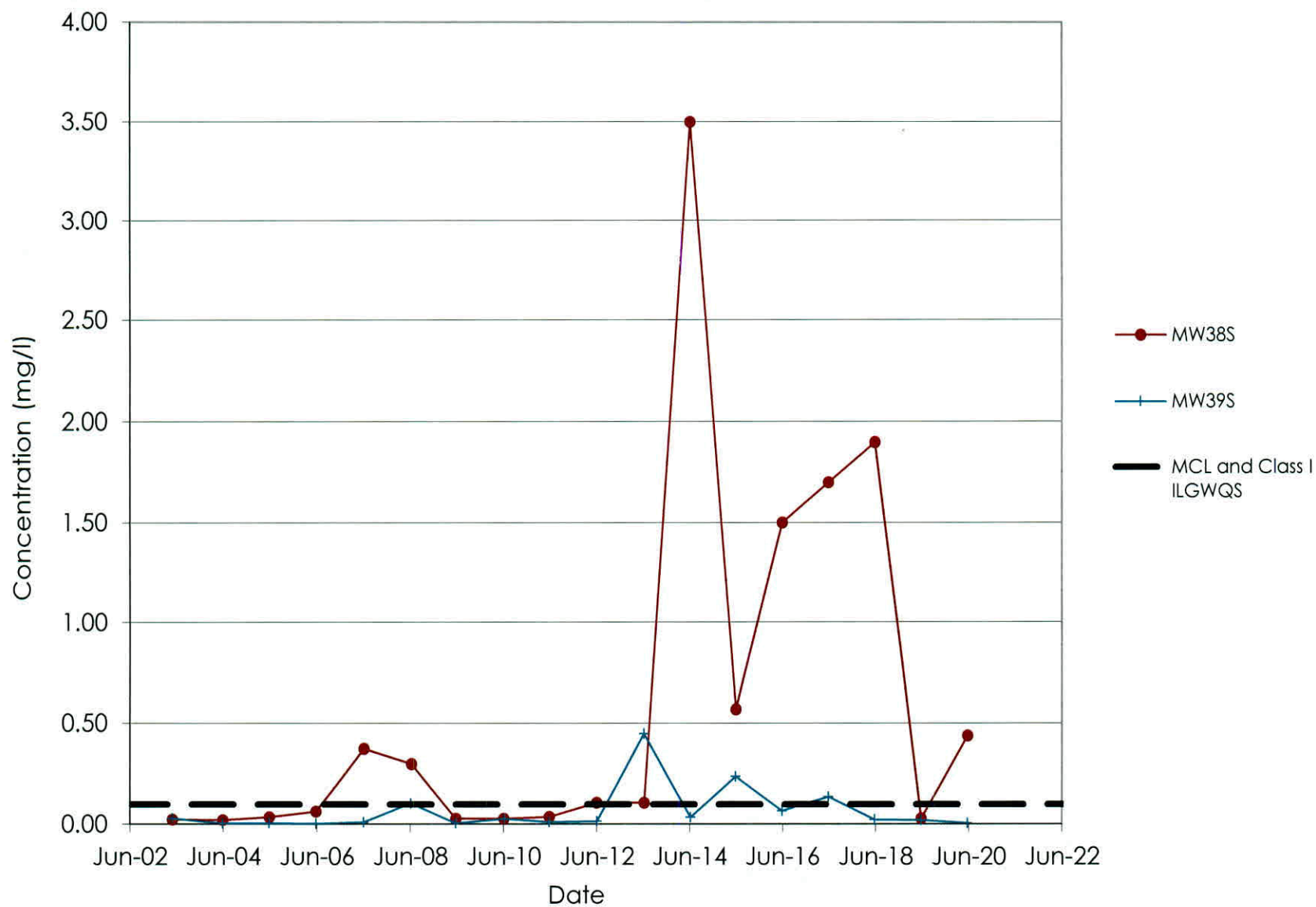




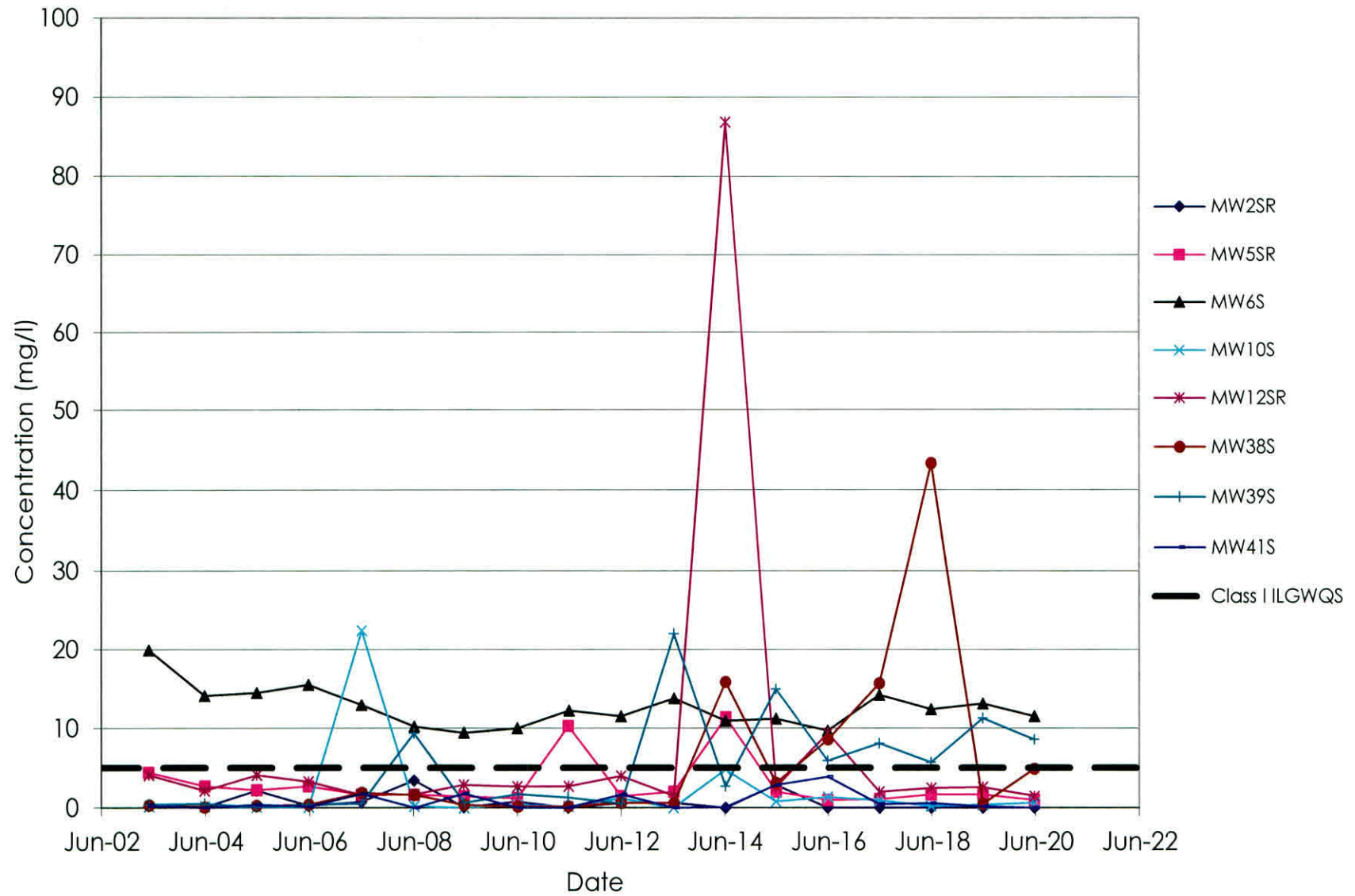
## Tri-County Landfill Total Arsenic in Shallow Wells



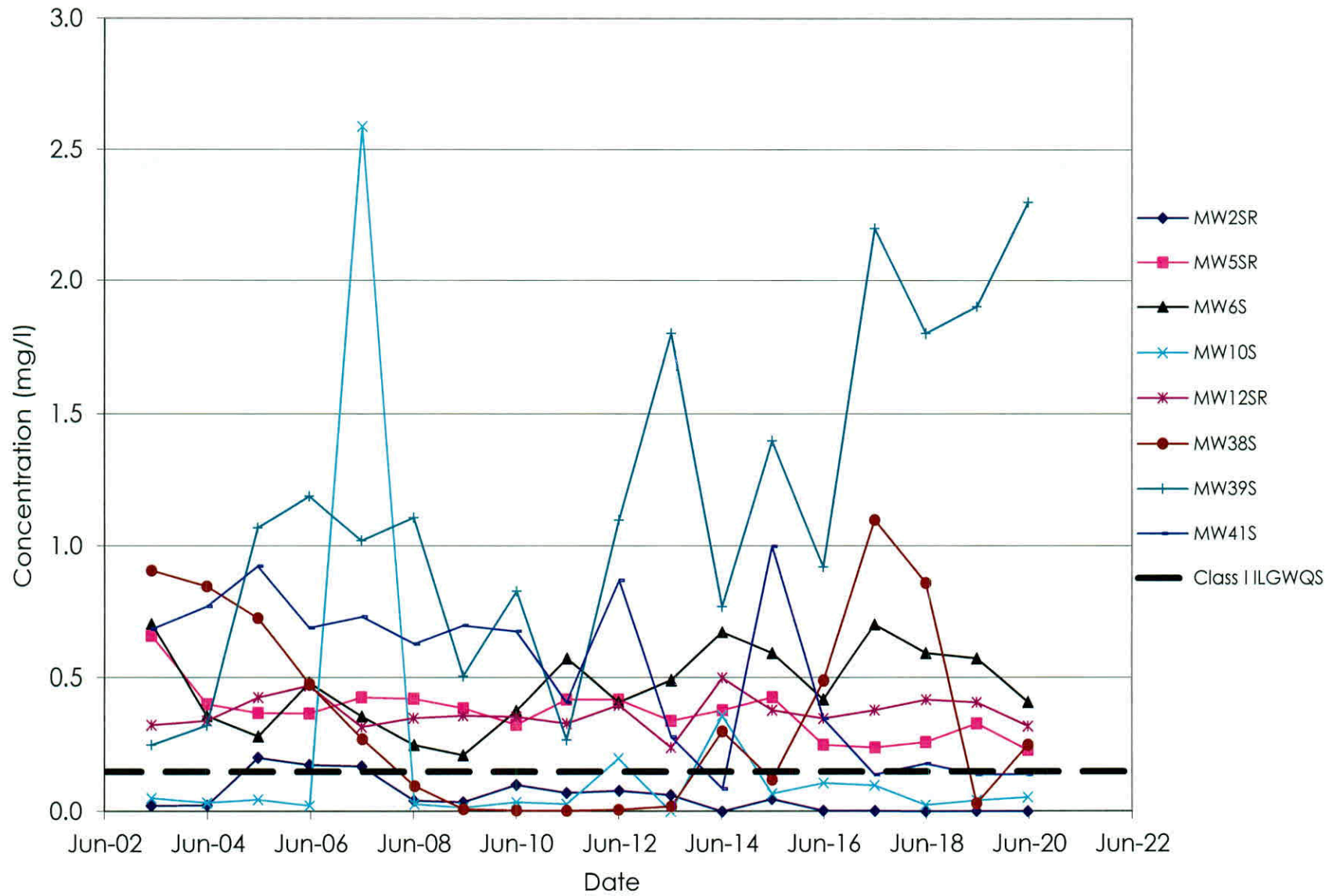
# Tri-County Landfill Total Chromium in Shallow Wells



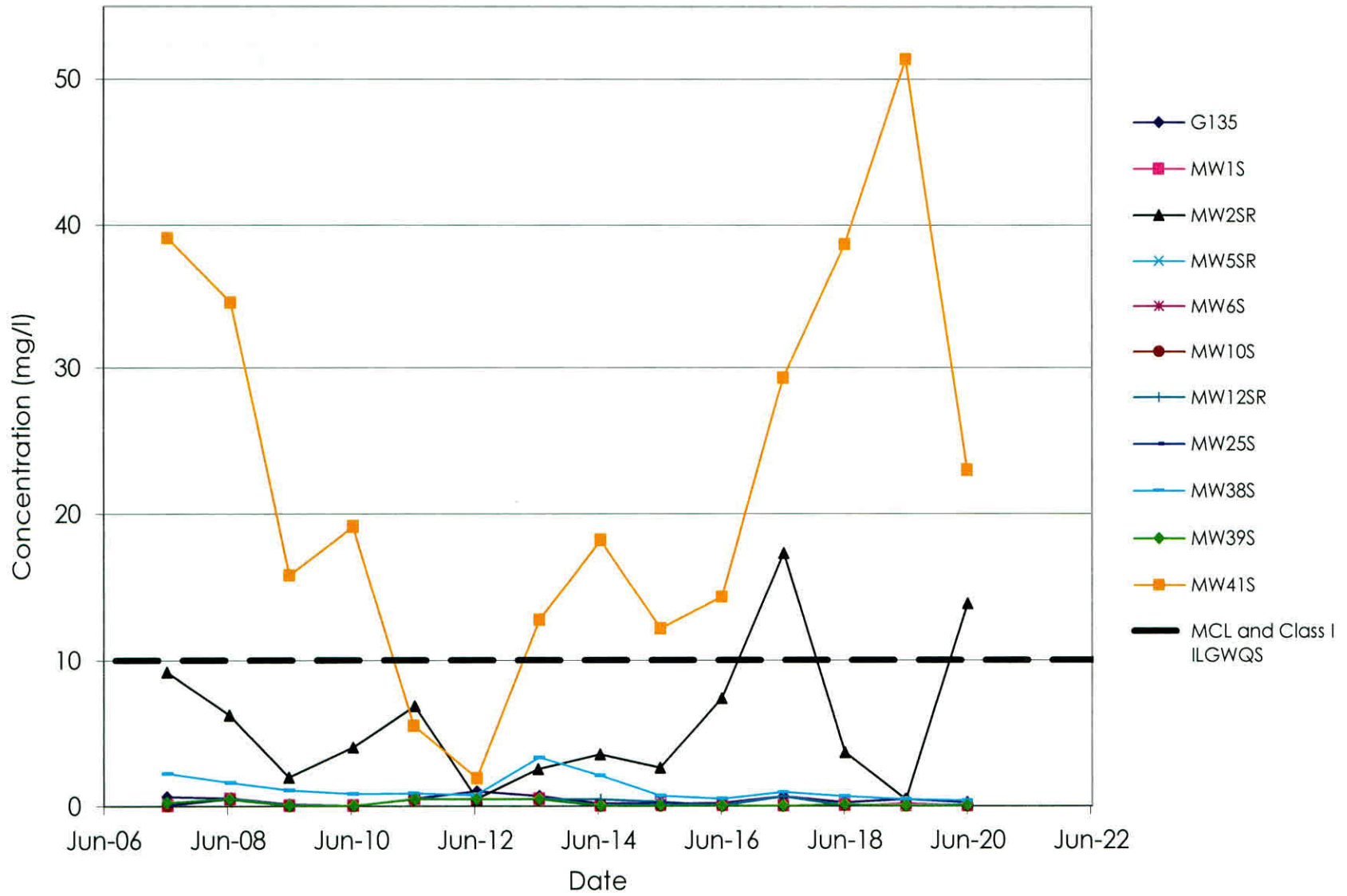
## Tri-County Landfill Total Iron in Shallow Wells



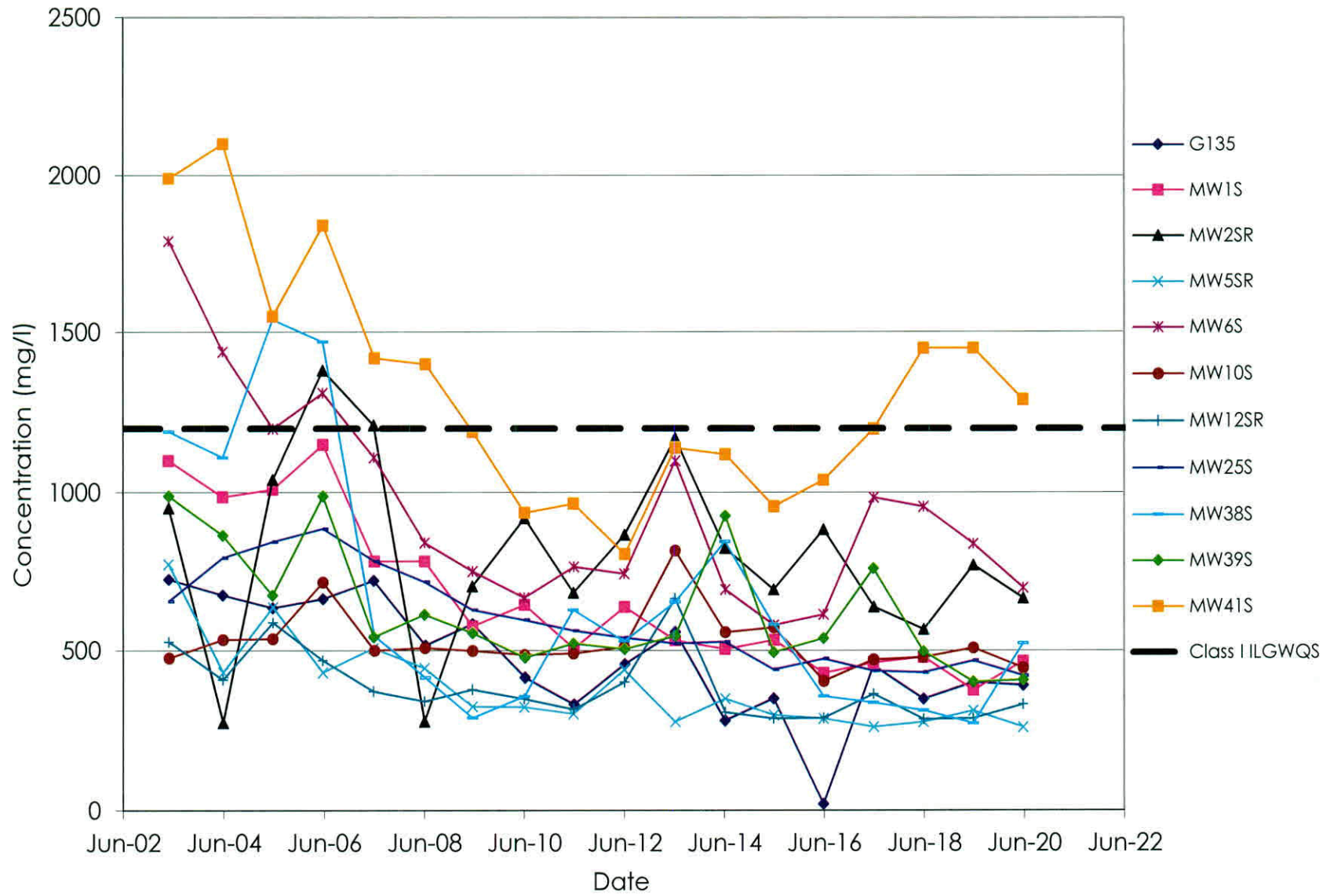
# Tri-County Landfill Total Manganese in Shallow Wells



## Tri-County Landfill Nitrate in Shallow Wells



# Tri-County Landfill Total Dissolved Solids in Shallow Wells



**Illinois Environmental Covenant under Uniform Environmental Covenant Act**  
**April 2009**



**2013K014068**

**SANDY WEGMAN**

**RECORDER - KANE COUNTY, IL**

**RECORDED: 2/21/2013 1:22 PM**

**REC FEE: 49.00 RHSPS FEE: 10.00**

**PAGES: 21**

[space above reserved for recording information]

**This instrument was prepared by:**

Name: Lisa S. Zebovitz  
Neal, Gerber & Eisenberg LLP  
Address: 2 N. LaSalle, Ste. 1700  
Chicago, Illinois 60602  
(312) 269-8033 (direct)  
lzebovitz@ngelaw.com

**Please return this instrument to:**

Name: Lisa S. Zebovitz  
Neal, Gerber & Eisenberg LLP  
Address: 2 N. LaSalle, Ste. 1700  
Chicago, Illinois 60602  
(312) 269-8033 (direct)  
lzebovitz@ngelaw.com

Name: Tri-County Landfill Company  
c/o James Evenhouse  
Address: 310 W. Lake Street  
Elmhurst, IL 60126

**ENVIRONMENTAL COVENANT**

1. This Environmental Covenant is made this 15th day of February, 2013, by and among Tri-County Landfill Company, Inc. (Grantor) and the Holders/Grantees further identified in paragraph 3 below pursuant to the Uniform Environmental Covenants Act, 765 ILCS Ch. 122 (UECA) for the purpose of subjecting the Property to the activity and use limitations described herein.



**2. Property and Grantor.**

**A. Property:** The real property subject to this Environmental Covenant is commonly known as the Tri-County portion of the Tri-County/Elgin Landfills Site ("Site"), located in northeastern Illinois on the east side of Kane County near the triple junction of Kane, Cook, and DuPage counties. The Tri-County portion of the Site is located on the southern side of the Site and encompasses approximately 47 acres of land that includes what is commonly described as including both the Tri-County Landfill property and the Elgin-Wayne property. Grantor is the legal owner of the Tri-County Landfill property, which is legally described in Appendix A and is hereinafter referred to as the "Property." Waste Management of Illinois Inc. is the legal owner of the Elgin-Wayne property. Maps of the Site, including the Property, are attached hereto as Appendix B.

**B. Grantor:** Tri-County Landfill Company, Inc. is the current fee owner of the Property (as legally described in Appendix A) and is the "Grantor" of this Environmental Covenant. The mailing address of the Grantor is Tri-County Landfill Company, Inc. c/o James Evenhouse, 310 W. Lake Street, Elmhurst, IL 60126.

**3. Holders (and Grantees for purposes of indexing).**

**A.** The Illinois Environmental Protection Agency (Illinois EPA) is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to its authority under Section 3(b) of UECA. The mailing address of the Illinois EPA is 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276.

**B.** Tri-County Landfill Company, Inc. is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to UECA whose mailing address is Tri-County Landfill Company, c/o James Evenhouse, 310 W. Lake Street, Elmhurst, IL 60126. Regardless of any future transfer of the Property, Tri-County Landfill Company shall remain a Holder of this Environmental Covenant. Tri-County Landfill Company is to be identified as both Grantee and Grantor for purposes of indexing.

**C.** Waste Management of Illinois, Inc. is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to UECA. The mailing address of Waste Management is 720 E. Butterfield Road, Lombard, IL 60148.

**4. Agencies.** The Illinois EPA and the United States Environmental Protection Agency (U.S. EPA) are "Agencies" within the meaning of Section 2(2) of UECA. The Agencies have approved the environmental response project described in paragraph 5 below and may enforce this Environmental Covenant pursuant to Section 11 of UECA.

**5. Environmental Response Project and Administrative Record.**

**A.** This Environmental Covenant arises under an environmental response project as defined in Section 2(5) of UECA.

**B.** The Property is part of the Site, which the U.S. EPA, pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42

U.S.C. § 9605, placed on the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B. In a Record of Decision (ROD) signed by the U.S. EPA Region 5 Superfund Division Director on September 30, 1992 on which the Director of Illinois EPA has given its concurrence ("ROD"), the Agencies approved a plan for environmental remediation of the Site, including the Property. An Administrative Order for the Remedial Design and Remedial Action of the Tri-County Portion of the Site was issued to WMIII in 1999 by U.S. EPA pursuant to section 106(a) of CERCLA, as amended, 42 U.S.C. § 9606(a). The components of the remedies selected and updated in: the ROD, the 1996, 1998, 1999, and 2001 Explanations of Significant Differences, and the 2001 Preliminary Closeout Report have been fully implemented and remain effective under the 1999 UAO with the exception of final implementation of institutional controls necessary for long term protectiveness, which are currently being implemented. The remedy implemented at the Site was deemed protective of human health and the environment by U.S. EPA in its Second Five-Year Review Report dated September 3, 2009.

C. Grantor wishes to cooperate fully with the Agencies in the implementation, operation, and maintenance of all response actions at the Site, including institutional controls.

D. The Administrative Record for the environmental response project at the Tri-County/Elgin Landfills Site (including the Property) is maintained at the U.S. EPA Superfund Record Center, 7<sup>th</sup> Floor, 77 West Jackson Blvd, Chicago, Illinois 60604. Persons may also contact FOIA Officer, 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276 for the Administrative Record or other information concerning the Site.

6. **Grant of Covenant. Covenant Runs With The Land.** Grantor creates this Environmental Covenant pursuant to UECA so that the Activity and Use Limitations and associated terms and conditions set forth herein shall "run with the land" in accordance with Section 5(a) of UECA and shall be binding on Grantor, its heirs, successors and assigns, and on all present and subsequent owners, occupants, lessees or other person acquiring an interest in the Property.

7. **Activity and Use Limitations.** The following Activity and Use Limitations apply to the use of the Property solely as they relate to the environmental response project outlined in paragraph 5(B) above. To the extent that the ROD is modified, additional Explanations of Significant Differences are issued, or other changes are made with regard to the environmental response project outlined in paragraph 5(B), this environmental covenant shall be amended or modified in accordance with paragraphs 15 and 17(B) of this Agreement.

A. **Restricted groundwater use:** Except as required as part of a U.S. EPA or Illinois EPA approved response activity, construction of wells and activities that extract, consume, or otherwise use any groundwater are prohibited on the Property.

B. **Restricted Land Use:** All uses of the Property are prohibited except those compatible with industrial land use. Commercial, agricultural, recreational, and residential uses are prohibited.

C. **No interference with the Remedy:** Except as required as part of a U.S. EPA or Illinois EPA approved activity and approved in writing by U.S. EPA or Illinois EPA, any activity

within the boundaries of the Property that interferes or potentially could interfere with the remedy constructed and implemented at the Site is prohibited.

8. **Right of Access.** Grantor consents to officers, employees, contractors, and authorized representatives of the Holders, Illinois EPA and U.S. EPA entering and having continued access at reasonable times to the Property for the following purposes:

- A. Implementing, operating and maintaining the environmental response project described in paragraph 5 above;
- B. Monitoring and conducting periodic reviews of the environmental response project described in paragraph 5 above including without limitation, sampling of air, water, groundwater, sediments and soils;
- C. Verifying any data or information submitted to U.S. EPA or Illinois EPA by Grantor and Holders; and
- D. Verifying that no action is being taken on the Property in violation of the terms of this instrument, the environmental response project described in paragraph 5 above or of any federal or state environmental laws or regulations;

Nothing in this document shall limit or otherwise affect U.S. EPA and Illinois EPA's rights of entry and access or U.S. EPA's and Illinois EPA's authority to take response actions under CERCLA, the National Contingency Plan ("NCP"), RCRA or other federal and state law.

9. **Reserved rights of Grantor:** Grantor hereby reserves unto itself, its successors, and assigns, including heirs, lessees and occupants, all rights and privileges in and to the use of the Property which are not incompatible with the activity and use limitations identified herein.

10. **No Public Access and Use:** No right of access or use by the general public to any portion of the Property is conveyed by this instrument.

11. **Future Conveyances, Notice and Reservation:**

A. Grantor agrees to include in any future instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases and mortgages, a notice and reservation which is in substantially the following form:

THE INTEREST CONVEYED HEREBY IS SUBJECT TO AND GRANTOR SPECIFICALLY RESERVES THE ENVIRONMENTAL COVENANT EXECUTED UNDER THE UNIFORM ENVIRONMENTAL COVENANTS ACT (UECA) AT 765 ILCS CH. 122 RECORDED IN THE OFFICIAL PROPERTY RECORDS OF KANE COUNTY, ILLINOIS ON [DATE] \_\_\_\_\_ AS DOCUMENT NO. \_\_\_\_\_, IN FAVOR OF AND ENFORCEABLE BY GRANTOR AS A UECA HOLDER, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AS A UECA HOLDER AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY AS A UECA AGENCY.

B. Grantor agrees to provide written notice to Illinois EPA and U.S. EPA within 30 days after any conveyance of fee title to the Property or any portion of the Property. The notice shall identify the name and contact information of the new Owner, and the portion of the Property conveyed to that Owner.

**12. Enforcement and Compliance.**

A. **Civil Action for Injunction or Equitable Relief.** This Environmental Covenant may be enforced through a civil action for injunctive or other equitable relief for any violation of any term or condition of this Environmental Covenant, including violation of the Activity and Use Limitations under Paragraph 7 and denial of Right of Access under Paragraph 8. Such an action may be brought individually or jointly by:

- i. the Illinois Environmental Protection Agency;
- ii. the Holders of the Environmental Covenant; and
- iii. the United States Environmental Protection Agency.

B. **Other Authorities Not Affected. No Waiver of Enforcement.** All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Nothing in this Environmental Covenant affects U.S. EPA or Illinois EPA's authority to take or require performance of response actions to address releases or threatened releases of hazardous substances or pollutants or contaminants at or from the Property, or to enforce a consent order, consent decree or other settlement agreement entered into by U.S. EPA or Illinois EPA. Enforcement of the terms of this instrument shall be at the discretion of the Holders, the U.S. EPA and Illinois EPA and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA.

C. **Former Owners And Interest Holders Subject to Enforcement.** An Owner, or other person that holds any right, title or interest in or to the Property remains subject to enforcement with respect to any violation of this Environmental Covenant by the Owner or other person which occurred during the time when the Owner or other person was bound by this Environmental Covenant regardless of whether the Owner or other person has subsequently conveyed the fee title, or other right, title or interest, to another person.

13. **Waiver of certain defenses:** This Environmental Covenant may not be extinguished, limited, or impaired through issuance of a tax deed, foreclosure of a tax lien, or application of the doctrine of adverse possession, prescription, abandonment, waiver, lack of enforcement, or acquiescence, or similar doctrine as set forth in Section 9 of UECA.

14. **Representations and Warranties:** Grantor hereby represents and warrants to the Illinois EPA, U.S. EPA and any other signatories to this Environmental Covenant that, at the time of execution of this Environmental Covenant, that the Grantor is lawfully seized in fee

simple of the Property, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein, that the Property is free and clear of encumbrances, except those noted on Appendix C attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof. After recording this instrument, Grantor will provide a copy of this Environmental Covenant to all holders of record of the encumbrances including any entities noted on Appendix C.

**15. Amendment or Termination.** This Environmental Covenant may be amended or terminated by consent only if the amendment or termination is signed by the Illinois EPA, U.S. EPA, Waste Management of Illinois, Inc. (as Holder) and the current owner of the fee simple of the Property, unless waived by the Agencies. If Grantor no longer owns the Property at the time of proposed amendment or termination, Grantor waives the right to consent to an amendment or termination of the Environmental Covenant.

**16. Notices.** Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor:

Tri-County Landfill Company  
c/o James Evenhouse  
310 W. Lake Street  
Elmhurst, IL 60126

To Holder:

Waste Management of Illinois, Inc.  
Mr. Michael L. Peterson  
District Manager - Closed Sites  
Waste Management, Inc.  
W124-N9355 Boundary Road  
Menomonee Falls, WI 53051

Waste Management of Illinois, Inc.  
c/o Lisa S. Zeboyitz  
2 N. LaSalle, Ste. 1700  
Chicago, IL 60602

To Agencies:

U.S. Environmental Protection Agency  
Superfund Division Director  
77 West Jackson Boulevard  
Chicago, IL 60604

Illinois Environmental Protection Agency  
Chief, Bureau of Land  
1021 N. Grand Avenue East

P.O. Box 19276  
Springfield, IL 62794-9276

**17. Recording and Notice of Environmental Covenant, Amendments and Termination.**

**A. The Original Environmental Covenant.** An Environmental Covenant must be recorded in the Office of the Recorder or Registrar of Titles of the county in which the property that is the subject of the Environmental Covenant is located. Within 30 days after the Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Grantor this Environmental Covenant, the Grantor shall record this Environmental Covenant in the office of the County Recorder or Registrar of Titles for the County in which the Property is located.

**B. Termination, Amendment or Modification.** Within 30 days after Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Owner any termination, amendment or modification of this Environmental Covenant, the Owner shall record the amendment, modification, or notice of termination of this Environmental Covenant in the office of the County Recorder or Registrar of Titles in which the Property is located.

**C. Providing Notice of Covenant, Termination, Amendment or Modification.** Within 30 days after recording this Environmental Covenant, the Grantor shall transmit a copy of the Environmental Covenant in recorded form to:

- i. the Illinois EPA;
- ii. the U.S. EPA;
- iii. each person holding a recorded interest in the Property, including those interests in Appendix C;
- iv. each person in possession of the Property; and
- v. each political subdivision in which the Property is located.

Within 30 days after recording a termination, amendment or modification of this Environmental Covenant, the Owner shall transmit a copy of the document in recorded form to the persons listed in items i to v above.

**18. General Provisions:**

**A. Controlling law:** This Environmental Covenant shall be construed according to and governed by the laws of the State of Illinois and the United States of America.

**B. Liberal construction:** Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Grantor to effect the purpose of this instrument and the policy and purpose of the environmental response project and its authorizing legislation. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

**C. No Forfeiture:** Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

**D. Joint Obligation:** If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**E. Captions:** The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

**19. Effective Date.** This Environmental Covenant is effective on the date of acknowledgement of the signature of the Illinois EPA and U.S. EPA, whichever is later.

**20. List of Appendices:**

**Appendix A — Legal Description of the Property**  
**Appendix B — Site Maps, including Property boundaries**  
**Appendix C — Title search (List of Recorded Encumbrances)**

Signature Pages to follow



THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

**FOR THE GRANTOR:**

TRI-COUNTY LANDFILL COMPANY

By James A. Evenhouse (signature)

JAMES A. EVENHOUSE (print)

Title: PRESIDENT (print)

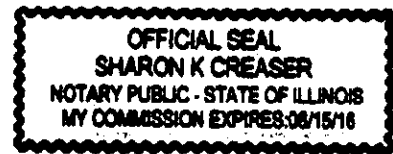
State of Illinois )  
)SS.

County of DuPage )

On Feb 15, 2013 this instrument was acknowledged before me by James A. Evenhouse of Tri-County Landfill Company, on behalf of Tri-County Landfill Company.

Sharon K Creaser (signature)  
Notary Public

My Commissioner Expires 6-15-16



FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

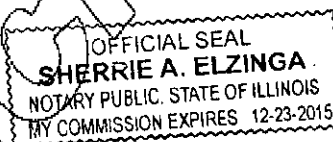
By [Signature] (signature)  
John J. Kim, Director  
Illinois Environmental Protection Agency

State of Illinois )  
                          )SS.  
County of            )

This instrument was acknowledged before me on December 20, 2012, by  
JOHN J. KIM, the Director of the Illinois Environmental Protection  
Agency, a state agency, on behalf of the State of Illinois.

[Signature] (signature)  
Notary Public

My Commission Expires 12/23/2015



Unofficial

FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

On behalf of the Administrator of the  
United States Environmental Protection Agency

By Richard C. Karl  
Richard C. Karl, Director  
Superfund Division  
U.S. Environmental Protection Agency, Region 5



STATE OF ILLINOIS     )  
                                      )SS.  
COUNTY OF             )

The foregoing instrument was acknowledged before me on this 10<sup>th</sup> day of  
JANUARY, 2013, by Richard C. Karl, Director, Superfund Division, Region 5 of the  
United States Environmental Protection Agency.

Bertanna M. Louie (signature)  
Notary Public

My Commission Expires March 15, 2014

THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

**FOR HOLDER:**

WASTE MANAGEMENT OF ILLINOIS, INC.

By *Jack Dowden* (signature)

Jack Dowden (print)

Title: Group Director-Midwest (print)

State of Illinois )

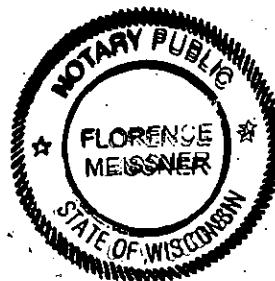
)SS.

County of )

On June 27, 2012 this instrument was acknowledged before me by,  
Jack Dowden of Waste Management of Illinois, Inc., on behalf of  
Waste Management of Illinois, Inc.

*Florence Meissner* (signature)  
Notary Public

My Commissioner Expires 9/15/2013



NGEDOCs: 014450.0003:1649265.2

# APPENDIX A

Unofficial



Reference:

## LEGAL DESCRIPTION (Cont'd)

County: KANE

Order Number: H25209622

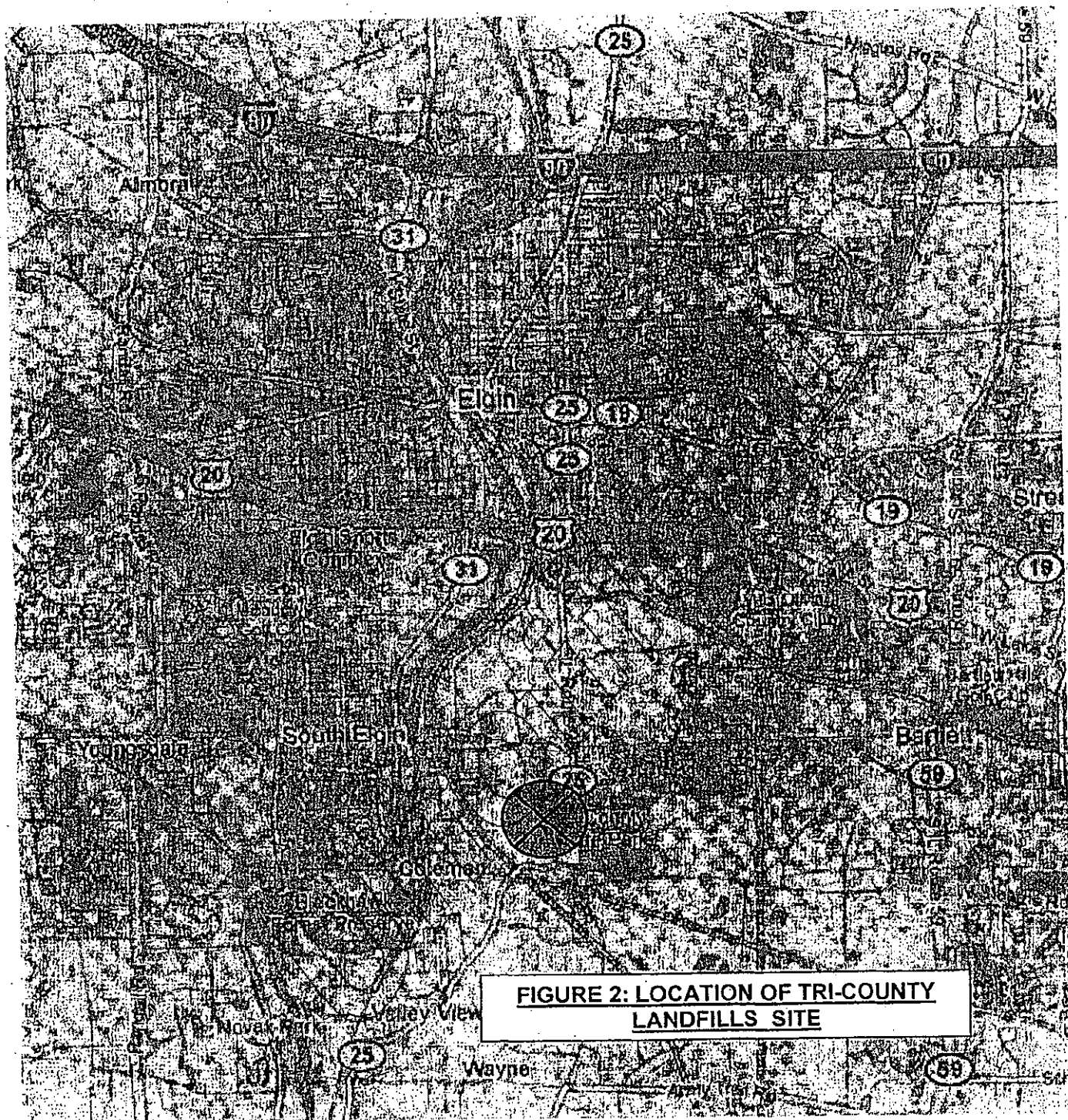
Address of Property: ILLINOIS

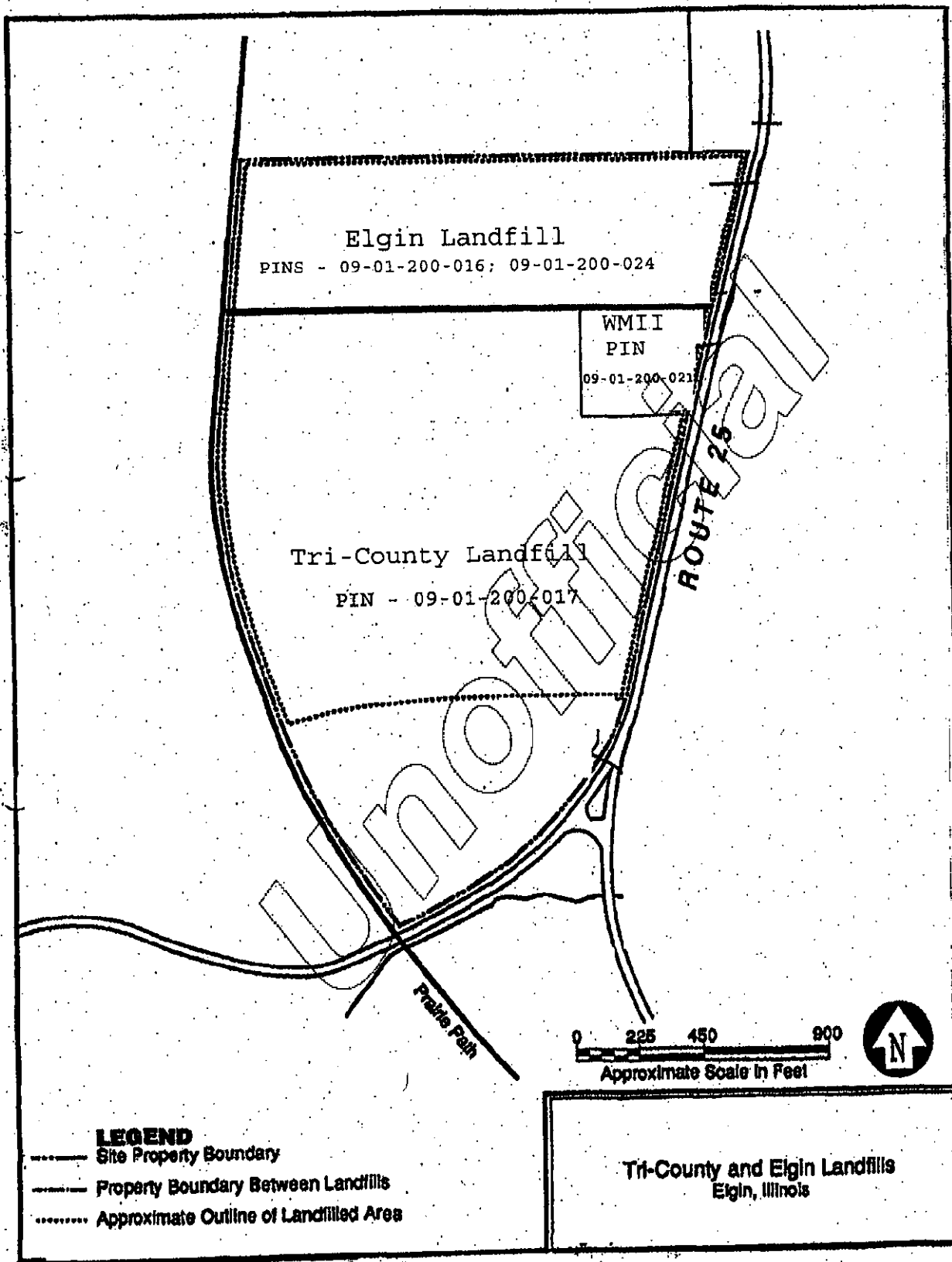
SECTION 1; THENCE WEST ALONG THE NORTH LINE OF SAID SECTION 1285.25 FEET TO THE EXTENDED TANGENT CENTER LINE FROM THE SOUTH OF THE CONCRETE PAVEMENT ON STATE HIGHWAY NO. 25; THENCE SOUTHWESTERLY ALONG SAID CENTER LINE AND SAID LINE EXTENDED 2088.0 FEET; THENCE WESTERLY ALONG A LINE MAKING AN ANGLE OF 102 DEGREES 49 MINUTES MEASURED FROM THE NORTH EAST TO NORTH TO WEST WITH SAID DESCRIBED CENTER LINE AND EXTENDED CENTERLINE 10.9 FEET TO A POINT IN THE CENTER OF THE CONCRETE PAVEMENT; THENCE CONTINUING WEST ALONG SAID LAST DESCRIBED LINE EXTENDED (BEING ALSO THE NORTH LINE OF A 10.06 ACRE PARCEL OF LAND CONVEYED TO CLAIRMARIE VANEK BY DEED DATED MARCH 23, 1959 AND RECORDED APRIL 6, 1959 IN BOOK 1954, PAGE 319 AS DOCUMENT 886279) 1094.7 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF RAILWAY ON A CURVE TO THE RIGHT HAVING A RADIUS OF 2814.93 FEET A DISTANCE OF 148.82 FEET FOR THE POINT OF BEGINNING; THENCE EAST ON A LINE PARALLEL TO AND 140.0 FEET NORTH OF, AS MEASURED AT RIGHT ANGLES, TO THE SAID NORTH LINE OF SAID VANEK 10.06 ACRE PARCEL OF LAND, A DISTANCE OF 1188.07 FEET TO THE SAID CENTER OF THE CONCRETE PAVEMENT OF STATE HIGHWAY NO. 25; THENCE NORTHEASTERLY ALONG SAID CENTER LINE TO A LINE DRAWN PARALLEL WITH AND 532.62 FEET SOUTH OF, MEASURED AT RIGHT ANGLES, THE NORTH LINE OF SECTION 1; THENCE WEST ALONG SAID PARALLEL LINE TO THE EASTERLY LINE OF THE AFORESAID RIGHT OF WAY OF THE CHICAGO, AURORA AND ELGIN RAILWAY; THENCE SOUTHERLY ALONG SAID EASTERLY LINE TO THE POINT OF BEGINNING, (EXCEPT THOSE PARTS IN TRACTS CONVEYED TO WASTE MANAGEMENT OF ILLINOIS, INC. BY DEED DOCUMENTS 1478701 RECORDED OCTOBER 11 1978 AND 1574059 RECORDED APRIL 15 1981) IN KANE COUNTY, ILLINOIS.

# APPENDIX B

Unofficial







# APPENDIX C



CHICAGO TITLE INSURANCE COMPANY  
505 E. NORTH AVE.  
CAROL STREAM, IL 60188

(630)668-3074

( ) -

Client:

Reference:

## CHAIN OF TITLE

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

Permanent Real Estate Index Number:

REFLECTING THE FOLLOWING INSTRUMENT TYPES: DEEDS & EASEMENTS

### Legal Description:

THAT PART OF THE NORTH HALF OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID

Search Dated:

Covering Records of: 05/29/09

DEED RECORDED 09/08/88 AS DOCUMENT NO. 1930782 FROM FIRST COLONIAL TRUST CO., TR #1379, GRANTOR(S) TO TRI-COUNTY LANDFILL CO., INC, GRANTEE(S).

DEED RECORDED 09/29/88 AS DOCUMENT NO. 1934570 FROM FIRST COLONIAL TRUST CO., TR #1379, GRANTOR(S) TO TRI-COUNTY LANDFILL CO., INC, GRANTEE(S).

RIGHTS OF THE PUBLIC AND OF THE PEOPLE OF THE STATE OF ILLINOIS IN AND TO THOSE PARTS OF THE LAND DEDICATED FOR THE PURPOSE OF PUBLIC HIGHWAYS BY INSTRUMENTS FROM J. F. REINERT AND MARY A. REINERT, DATED DECEMBER 29, 1929 AND RECORDED JANUARY 6, 1930 AS DOCUMENT 330805 AND DATED NOVEMBER 12, 1936 AND RECORDED SEPTEMBER 7, 1937 AS DOCUMENT 413519.

GRANT FROM MATERIAL SERVICE CORPORATION TO THE ILLINOIS BELL TELEPHONE COMPANY, ITS SUCCESSORS AND ASSIGNS DATED DECEMBER 10, 1948 AND RECORDED JANUARY 13, 1949 AS DOCUMENT 619085 OF THE RIGHT TO CONSTRUCT, RECONSTRUCT, OPERATE AND MAINTAIN LINES OF TELEPHONE AND TELEGRAPH CONSISTING OF SUCH POLES, WIRES, CABLES, ANCHORS, GUYS, CONDUITS, MANHOLES AND OTHER FIXTURES AS THE GRANTEE MAY FROM TIME TO TIME REQUIRE, UPON, ALONG 7 UNDER THE PUBLIC ROADS, STREETS AND HWYS ON OR ADJOINING THE PROPERTY WHICH THEY OWN, OR IN WHICH THEY HAVE ANY INTEREST IN EAST 1/2 OF SECTION 1, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN TOGETHER WITH RIGHT TO PERMIT ATTACHMENT OF AND TO CARRY IN CONDUIT WIRES AND CABLES OF ANY OTHER COMPANIES, AND RIGHT TO OVERHANG SAID PROPERTY WITH CROSSARMS, WIRES, 7 OTHER EQUIPMENT AND TO TRIM NOW AND HEREAFTER ANY TREES ON OR ADJOINING SAID PROPERTY.

EASEMENT FOR INGRESS AND EGRESS IN THE DEED DOCUMENT 1478701 RECORDED OCTOBER 11 1978

This is not a title insurance policy, guarantee, or opinion of title and should not be relied upon as such. This Search is provided on the terms and conditions set forth in the attached Statement of Terms and Conditions.



Reference:

## LEGAL DESCRIPTION (Cont'd)

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

SECTION 1; THENCE WEST ALONG THE NORTH LINE OF SAID SECTION 1285.25 FEET TO THE EXTENDED TANGENT CENTER LINE FROM THE SOUTH OF THE CONCRETE PAVEMENT ON STATE HIGHWAY NO. 25; THENCE SOUTHWESTERLY ALONG SAID CENTER LINE AND SAID LINE EXTENDED 2088.0 FEET; THENCE WESTERLY ALONG A LINE MAKING AN ANGLE OF 102 DEGREES 49 MINUTES MEASURED FROM THE NORTH EAST TO NORTH TO WEST WITH SAID DESCRIBED CENTER LINE AND EXTENDED CENTERLINE 10.9 FEET TO A POINT IN THE CENTER OF THE CONCRETE PAVEMENT; THENCE CONTINUING WEST ALONG SAID LAST DESCRIBED LINE EXTENDED (BEING ALSO THE NORTH LINE OF A 10.06 ACRE PARCEL OF LAND CONVEYED TO CLAIRMARIE VANEK BY DEED DATED MARCH 25, 1959 AND RECORDED APRIL 6, 1959 IN BOOK 1954, PAGE 319 AS DOCUMENT 886279) 1094.7 FEET TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF RAILWAY ON A CURVE TO THE RIGHT HAVING A RADIUS OF 2814.93 FEET A DISTANCE OF 148.82 FEET FOR THE POINT OF BEGINNING; THENCE EAST ON A LINE PARALLEL TO AND 140.0 FEET NORTH OF, AS MEASURED AT RIGHT ANGLES, TO THE SAID NORTH LINE OF SAID VANEK 10.06 ACRE PARCEL OF LAND, A DISTANCE OF 1188.07 FEET TO THE SAID CENTER OF THE CONCRETE PAVEMENT OF STATE HIGHWAY NO. 25; THENCE NORTHEASTERLY ALONG SAID CENTER LINE TO A LINE DRAWN PARALLEL WITH AND 532.62 FEET SOUTH OF, MEASURED AT RIGHT ANGLES, THE NORTH LINE OF SECTION 1; THENCE WEST ALONG SAID PARALLEL LINE TO THE EASTERLY LINE OF THE AFORESAID RIGHT OF WAY OF THE CHICAGO, AURORA AND ELGIN RAILWAY; THENCE SOUTHERLY ALONG SAID EASTERLY LINE TO THE POINT OF BEGINNING. (EXCEPT THOSE PARTS IN TRACTS CONVEYED TO WASTE MANAGEMENT OF ILLINOIS, INC. BY DEED DOCUMENTS 1478701 RECORDED OCTOBER 11 1978 AND 1574059 RECORDED APRIL 15 1981) IN KANE COUNTY, ILLINOIS.



Reference:

## SEARCH INFORMATION (Cont'd)

County: KANE

Order Number: H25209622

Address of Property: ILLINOIS

NOTICE OF UNILATERAL ADMINISTRATIVE ORDER RECORDED OCTOBER 28, 1998 DOCUMENT 98K099341 AS TO SUPER FUND SITE, EPA AND LANDFILL AND RELATED

NOTICES OF ADMINISTRATIVE ORDER AS TO ENVIRONMENTAL MATTERS, EPA, LAND FILL AND REMEDIATION AND RELATED

RECORDED DECEMBER 27 1999 DOCUMENT 1999K120931

RECORDED FEBRUARY 17 1999 DOCUMENT 1999K017820

RESTRICTIONS AS TO DRILLING, GROUNDWATER, CONSTRUCTION, UTILITY, MAINTENANCE AND OTHER MATTERS RECORDED 01/21/03 AS DOCUMENT 2003K9755

EASEMENT FOR ACCESS AND ENVIRONMENTAL TESTING RECORDED MAY 30 2006 DOCUMENT 2006K057785 AND RERECORDED AUG. 31 2006 DOCUMENT 2006K095944 WITH WASTE MANAGEMENT OF IL INC. AND AGAIN RERECORDED AS DOCUMENT 2006K127276 NOV 21 2006

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SRCHCONT 04/06 ML